

MATTHEW L. COHEN

Curriculum Vitae

Contact Information

Department of Communication Sciences and Disorders
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Clinical Psychology Licenses #B1-0011326 (Delaware)
Teletherapy #11319 (PSY-PACT; MD, PA, NJ, etc.)

Positions

- 2022- **Director of Neuropsychology**, Delaware Center for Cognitive Aging Research, University of Delaware
- 2022- **Associate Professor with tenure**, Department of Communication Sciences and Disorders, University of Delaware
- 2016- **Assistant Professor**, Department of Communication Sciences and Disorders, University of Delaware
Affiliated faculty, Department of Psychological and Brain Sciences, University of Delaware
Affiliated faculty, Center for Health Assessment Research & Translation, University of Delaware

Education

- 2015- **Postdoctoral Fellowship in Rehabilitation Outcomes Assessment and Applied Psychometrics**
2016 *Center for Health Assessment Research and Translation; University of Delaware; Newark, DE*
Primary mentors: David Tulskey, Ph.D., Jim Holdnack, Ph.D.
- 2013- **Postdoctoral Residency in Clinical Neuropsychology**
2015 *Department of Psychiatry & Behavioral Sciences, The Johns Hopkins University School of Medicine; Baltimore, MD*
Primary mentor: Jason Brandt, Ph.D., ABPP-CN
- 2013 **Ph.D., Clinical Psychology, Neuropsychology Track**
University of Florida; Gainesville, FL
Dissertation: "Exogenously and Endogenously Evoked Behavior in Aging and Parkinson's Disease."
Dissertation chairs: Kenneth Heilman, M.D., FAAN, Catherine Price, Ph.D., ABPP-CN
- 2013 **Pre-doctoral Internship, VA Maryland Health Care System, Neuropsychology Track**
Baltimore VA Medical Center; Baltimore, MD
Training Director: Anjeli Inscore, Psy.D., ABPP-CN
- 2009 **M.S., Clinical Psychology, Neuropsychology Track**
University of Florida; Gainesville, FL
Thesis: "Functional Connectivity and Dedifferentiation in Older Adults During Language Production."
Thesis chair: Bruce Crosson, Ph.D., ABPP-CN.
- 2007 **B.A., Psychology, Magna Cum Laude, Honors Degree with Distinction**
University of Delaware; Newark, DE
Major: Psychology Minors: Biology, Spanish

Awards and Honors

- 2024 University of Delaware Award for Excellence in Scholarly Community Engagement

Research Support

Active

NIH/NIA R01 (MPI: Martens and Johnson)

Longitudinal Impact of Midlife Cerebrovascular Pulsatility on Brain Tissue Integrity and Cognitive Aging

Project goals: to determine the underlying mechanisms linking midlife vascular risk factors with the early loss of brain tissue structure and function. Ultimately, this project will identify the earliest underlying mechanisms by which vascular aging contributes to the loss of brain tissue integrity and cognitive performance leading to new targets for interventions aimed at preventing age-related cognitive impairment.

Role: Co-I

Total direct costs: \$2,440,014.

04/01/2025 – 03/31/2030

Delaware Community Foundation

Neural Mechanisms of Alzheimer's Disease Risk and Onset from Modifiable Lifestyle Factors (PIs: Martens and Johnson)

Project aims: This is an ancillary study to the Delaware Longitudinal Study for Alzheimer's Prevention (DeLSAP). DeLSAP participants will be invited to complete genetic testing, blood-based biomarkers for Alzheimer's disease, and a neuroimaging battery.

Role: Co-I

Total Direct Costs: \$575,000

07/01/2024 – 06/30/2025

National Institute on Aging | 1RF1AG083823-01

DementiaBank: An Open Access Language Database to Understand the Progression of Dementia (PIs: Lanzi and MacWhinney)

Project goals: We propose the expansion and development of the open-access DementiaBank database of multimedia interactions for the study of cognitive-communication impairments in aging and Alzheimer's disease and related dementias. This work will rely on advances in data collection, transcription, analysis, sharing, and web delivery achieved in the context of the overall TalkBank Project. We will deploy and extend the growing assets of TalkBank and DementiaBank to answer critical questions regarding the diagnosis, classification, and longitudinal tracking of language in dementia.

Role: Co-I

Total Direct Costs: \$3,673,050

Project Period: 09/01/2023 - 08/30/2028

NIH 1R01AG071585-01A1

Pain and Motor Learning in Older Adults (PI: Morton)

Project Goals: To determine the effects of age, pain, and cognitive abilities on motor learning in physical therapy contexts.

Role: Co-Investigator

Total Direct Costs: \$2,165,705

02/01/2022 – 01/01/2027

NIH/NIDCD R01-DC008524 (Alzheimer's Supplement)

DementiaBank: A Supplement to AphasiaBank (PI: Lanzi)

Project goals: to refine and finalize the protocol of language and cognitive measures that are used for other populations to be more applicable to MCI and dementia from Alzheimer's disease; to establish and train a consortium of clinical practitioners to identify and document the diagnostic criteria for each subtype, and to administer the language and cognitive protocol

Role: Co-Investigator (0.24 PM).

Total Direct Costs: \$130,000

6/1/21 – 5/31/23 (No cost extension until 5/31/24)

NIH/NICHD – National Center for Medical Rehabilitation Research 2R01HD078330-05 (PI: Reisman)

Behavioral and Neurophysiologic Process of Locomotor Learning After Stroke

Project goals: to determine whether stroke survivors re-learn to walk via implicit or explicit learning mechanisms, and whether cognitive abilities mediate this learning.

Role: Co-Investigator

Total direct costs: \$1,953,317

4/1/20 – 3/31/25

Completed

NIH/NIA Alzheimer's Supplement to 2R01DC008524-16 (PI: MacWhinney)

Open Access Spoken Language Data for Understanding Dementia

Project goals: to expand the DementiaBank corpus; to use and refine the automatic speech recognition pipeline to create high quality transcripts from people with dementia for lexical, discourse, grammatical, phonological, and fluency analysis. We will use this new data to refine the methods for detection and progression tracking of dementia.

Role: Co-I.

Total direct costs: \$250,000

04/01/2023 – 03/31/2024

Howard W. Swank, Alma K. Swank, & Richard Kemper Swank Foundation.

Delaware Center for Cognitive Aging Research

Project goals: to establish the Delaware Longitudinal Study for Alzheimer's Prevention (DeLSAP); to establish the Brain Wellness Information, Support, and Empowerment (Brain-WISE) program.

Role: Co-I

Total Direct Costs: \$250,000

04/01/2023 - 12/31/2024

NIH/NIA R01AG058853

Mechanical integrity of memory systems in mild cognitive impairment (PI: Johnson)

Project goals: to determine how the mechanical integrity of memory systems is affected by aging and mild cognitive impairment (MCI); to determine mechanical correlates of functional memory impairment in aging and MCI; to determine how the structure and function of memory systems are modified by aerobic fitness and exercise training.

Role: Co-Investigator.

Total direct costs: \$2,339,500

7/15/18 – 3/31/23 (No Cost Extension until 3/31/24)

NIH/NIGMS U54-GM104941 Alzheimer's Supplement

Motor Learning in Mild Cognitive Impairment (PI: Morton)

Project goals: to learn about the contributions of specific cognitive skills to motor learning in the context of mild cognitive impairment from Alzheimer's Disease.

Role: Co-Investigator (0.96 academic PM)

Total Direct Costs: \$250,000

7/1/21 – 6/30/22 (No Cost Extension until 6/30/23)

Gordon and Betty Moore Foundation | Patient and Family Engagement Early-Career Investigator Award (PI: Cohen)

#GBMF 5299

Patient- and Family-Centered Interpretation of Outcome Measures for Adults with Neurogenic Communication Disorders

Project goals: To use community-based participatory research methods, as well as traditional psychometric methods, to determine clinical cut points for a battery of patient reported outcome measures for adults with neurogenic communication disorders. This will make the measures clinically interpretable and actionable for this population.

Role: PI

Total Direct Costs: \$450,000

12/01/17- 2/28/23

NIH/NINR 3R01NR018684-02S1 (Alzheimer's supplement)

Measuring Symptom Clusters in People with Sudden-Onset Disabilities (PI: Tulsky)

Project Goals: The work proposed with this administrative supplement is needed to evaluate the generalizability of the symptom clusters identified in parent grant Aim 1 to a population with mild cognitive impairment (MCI) from early-stage Alzheimer's disease (AD). Additionally, this will allow us to develop resources and collect pilot data to support an application for funding to study symptom clusters in MCI and dementia from AD.

Role: Co-Investigator

Total Direct Costs: \$398,720

Date: 7/22/20 – 6/30/22

NIH/NIGMS U54-GM104941 (PI: Hicks)

Delaware Center for Translational Research | Pilot Grant

Matthew L. Cohen, Ph.D.

Stakeholder Determination of Patient-Reported Outcomes from Speech-Language Therapy

Project goals: To define and prioritize patient-reported outcomes that are important to speech-language therapy stakeholders: clients, their significant others, and speech language pathologists. These data will inform an R01 application to the NIDCD to create new patient-reported outcomes measures specific to speech-language therapy.

Role: Project PI

Total Direct Costs: \$80,000

12/1/19-3/31/21

NIH/NIGMS U54-GM104941 (PI: Hicks)

Delaware Center for Translational Research | Shovel-Ready Pilot Grant

Enhancing the Interpretability of PROMIS Measures for Adults with Language Disorders

Project goals: To collect pilot/feasibility data to support an R21 application to the NIDCD. The R21 proposal is to improve PROMIS measures for adults with language disorders.

Role: Project PI

Total Direct Costs: \$19,993

6/1/18-12/31/18

Craig H. Neilsen Foundation (Cohen)

#364962

Mentored Fellowship Grant: *Improving the Assessment of Psychological Complications After Spinal Cord Injury*

Project goals: To improve neuropsychological assessment techniques and the use of patient reported outcome measures for individuals with spinal cord injury, particularly those with concomitant traumatic brain injury.

Role: PI

Mentors: David Tulskey, Ph.D., Allen Heinemann, Ph.D., Steven Kirschblum, M.D., Claire Kalpakjian, Ph.D., Trevor Dyson-Hudson, M.D.

Department of Education (Heinemann)

H133B090024

RRTC on Improving Measurement of Medical Rehabilitation Outcomes

Project Goals: To develop and evaluate rehabilitation outcome measures and measures of health-related quality of life for persons with stroke, traumatic brain injury or spinal cord injury.

Role: Co-Investigator

National Institute on Aging (Marsiske)

T32 AG020499M

Physical, Cognitive and Mental Health in Social Context

Project Goals: To train pre-doctoral and post-doctoral researchers from multiple disciplines in the behavioral theories, methodologies and analyses needed to address questions of health, independence and functioning in older adults.

Role: Pre-doctoral trainee

Mentorship Roles on Training Grants (*denotes trainee)

NIH/F31

Understanding linguistic differences in mild cognitive impairment: The importance of language context and psychosocial functioning

(Trainee: Saylor – DOCTORAL STUDENT)

Project goals: To support the doctoral training of Anna Saylor, MA, CCC-SLP; to study how the language usage (i.e., semantic richness) of people with MCI varies with language context and level of psychosocial functioning.

Role: Co-Sponsor

Pending

NIH/ R36 Aging Research Dissertation Awards to Promote Diversity

Understanding the role of issue salience in health messaging for older adults' willingness to enroll in AD research studies and engage in healthy behaviors for optimal brain health (Trainee: Samuel – DOCTORAL STUDENT)

Project goals: To support Litty Samuel's dissertation study.

Role: Other Significant Contributor

Pending

NIH/COBRE

Accelerated Vascular Aging in Midlife as a Mechanism Linking Daily Stress to Cognitive Decline (PI: Jody Greaney, Ph.D - FACULTY)

Project goals: to evaluate whether and to what extent mitochondrial-derived reactive oxygen species (mtROS) – induced impairments in peripheral endothelium-dependent dilation mediate the relationship between daily stress and cognitive variability in middle-aged adults.

Role: Co-Mentor

Pending

NIH/NIDCD 5F31DC020362-02

Validation of a Novel Vocal Demand Task for Measuring Vocal Fatigue (Trainee: Apfelbach – DOCTORAL STUDENT)

Project goals: to provide doctoral training for Christopher Apfelbach, MA, CCC-SLP; to validate the novel FIT-V device and protocol.

Role: Other Significant Contributor (Primary Sponsor: Dr. Katherine Verdolini Abbott)

04/01/21 – 03/31/24

American Heart Association – Postdoctoral Fellowship

The Heart and Brain Connection in Chronic Kidney Disease (Trainee: Ninette Shenouda, Ph.D – POSTDOC)

Project goals: To understand the cognitive consequences of chronic kidney disease.

Role: Co-Mentor (Primary Mentor: Dave Edwards, Ph.D.)

4/1/21-3/31/23

National Institute on Aging | Mentored Patient-Oriented Research Career Development Award

NIH/NIA 1K23AG070185-01

Promoting Independence with Compensatory Cognitive Rehabilitation: A Pilot Clinical Trial for Early-Stage Alzheimer's Disease (PI: Lanzi - FACULTY).

Project Goals: to provide Dr. Lanzi with training and research experience in the design and execution of a randomized controlled trial of a behavioral intervention for Alzheimer's disease.

Role: Co-Primary Mentor (with Dr. Katherine Verdolini Abbott)

Total direct costs: \$805,764

2/15/21 – 1/31/26

NIH/NINDS F31 NS111806-01A1

Factors Impacting Locomotor Learning Following Stroke (Trainee: French – DOCTORAL STUDENT)

Project goals: To provide doctoral training for Margaret French, DPT; to determine the relationship between cognition and locomotor learning after stroke.

Role: Co-sponsor (Primary sponsor: Darcy Reisman, Ph.D.)

09/01/19 – 11/30/20

Peer-Reviewed Publications (*denotes trainee)

1. Tyner, C.E., Kisala, P.A., Slotkin, J., **Cohen, M.L.**, Cancio, J.M., Pruziner, A.L., Dearth, C.L., Tulskey, D.S. (2025). Health-related quality of life after major extremity trauma: Grounded-theory-based qualitative research with military service members and clinicians to inform measurement of patient-reported outcomes. *Quality of Life Research*, doi.org/10.1007/s11136-025-03915-0
2. Rizzi, N.A.*, Kramer, M.K.*, Deconne, T.M.*, Ellison, J.M., Lanzi, A.M., Overstreet, M., Edwards, D., Cohen, M.L., Johnson, C.L., Martens, C.R. (2025). Absolute Substrate Oxidation Rates are Lower in Older Adults With Amnesic Mild Cognitive Impairment. *Physiology Reports*.
3. Stagge, F.*, **Cohen, M.L.**, Johnson, A.L., & Lanzi, A.M. (2025). SLPs' use of patient-reported outcome measures for adult patients with cognitive-communication disorders: A Survey study. *American Journal of Speech-Language Pathology*. https://doi.org/10.1044/2024_AJSLP-24-00285
4. Desjardins, M.*, Jomphe, V., Lagadee-Gaulin, L., Cohen, M.L., Verdolini Abbott, K. (2024). Influence of sensory monitoring on speech breathing planning processes: an exploratory study in aging speakers reporting dyspnea. *Journal of Speech, Language, & Hearing Research*, 67(8), 2483-2498
5. Stagge, F.*, Lanzi, A.M., Saylor, A.K.*, **Cohen, M.L.** (2024). Scores on the Montreal Cognitive Assessment do not Associate with Communication Challenges Reported by Community-Dwelling Adults with Acquired Neurological Conditions. *American Journal of Speech-Language Pathology*, 33(4), 1902-1910. https://doi.org/10.1044/2024_AJSLP-23-00248
6. Jewell, C.C.*, Harnish, S.M., Brelo, J., Lanzi, A.M., **Cohen, M.L.** (2024). Post-Stroke Communication Ability Predicts Patient-Informant Discrepancies in Reported Activities and Participation. *American Journal of Speech-Language Pathology*, 44(4), 1854-1867. https://doi.org/10.1044/2024_AJSLP-23-00322.
7. Saylor, A.K.*, Appleton, S., Tracy, S., Mendolovitz, T., Stagge, F.*, **Cohen, M.L.**, Lanzi, A.M. (2024). Cultural Adaptation of the Functional External Memory Aid Tool for use in the United Kingdom and Australia. *Perspectives of the ASHA Special Interest Groups*, 9(3), 868-876

8. Tyner, C.E., Boulton, A.J., Slotkin, J., **Cohen, M.L.**, Weintraub, S., Gershon, R.C., Tulskey, D.S. (2024). Exploring symptom clusters in Mild Cognitive Impairment and Dementia with the NIH Toolbox. *Journal of the International Neuropsychological Society*, 30(6), 603-614. doi:10.1017/S1355617724000055
9. Lapin, B., **Cohen, M.L.**, Corsini, N., Lanzi, A.M., Smith, S., Bennett, A., Eshoj, H.R., Mayo, N., Mercieca-Bebber-R., Mitchell, S., Rutherford, C., Roydhouse, J. (2023). Development of Emerging Best Practices for Proxy-Reported Measures: An ISOQOL Task Force Initiative. *Journal of Patient-Reported Outcomes*, 7(1), 52.
10. **Cohen, M.L.**, Harnish, S., Lanzi, A., Brello, J., Hula, W.D., Victorson, D., Nandakumar, R., Kisala, P.A., Tulskey, D.S. (2023). Establishing Severity Levels for Patient-Reported Measures of Functional Communication, Participation, and Perceived Cognitive Function for Adults with Acquired Cognitive and Language Disorders. *Quality of Life Research*. <https://doi.org/10.1007/s11136-022-03337-2>
11. Lanzi, A.M., Saylor, A.K., Fromm, D., MacWhinney, B., & **Cohen, M.L.** (2023). DementiaBank: Theoretical Rationale, Protocol, and Illustrative Analyses. *American Journal of Speech-Language-Pathology*. https://doi.org/10.1044/2022_AJSLP-22-00281
12. Delgorio, P.L., Hiscox, L.V., McIlvain, G., Kramer, M.K., Diano, A. M., Twohy, K.E., Merritt, A.A., McGarry, M.D.J., Schwarb, H. Daugherty, A.M., Ellison, J. M., Lanzi, A.M., **Cohen, M.L.**, Martens, C.R., Johnson, C.L. (2023). Hippocampal Subfield Viscoelasticity in Amnesic Mild Cognitive Impairment Evaluated with MR Elastography. *NeuroImage: Clinical*, 37. <https://doi.org/10.1016/j.nicl.2023.103327>.
13. Lanzi, A.M., Saylor, A.K., Dedrick, R.F., Bourgeois, M.S., & **Cohen, M.L.** (2022). The Functional External Memory Aid Tool Version 2.0: A How-To Clinical Guide. *American Journal of Speech-Language Pathology*, 32(1), 96-106. https://doi.org/10.1044/2022_AJSLP-22-00178
14. Lanzi, A.M., Saylor, A.K., **Cohen, M.L.** (2022). Current Practices of Speech-Language Pathologists Serving Older Adults with Mild Cognitive Impairment or Early-Stage Dementia from AD: Survey Results. *American Journal of Speech-Language Pathology*, 31(4), 1653-1671. https://doi.org/10.1044/2022_AJSLP-21-00266.
15. Kisala, P.A., Tulskey, D.S., Tate, D., Heinemann, A., Charlfue, S., Fyffe, D., Felix, E.R., **Cohen, M.L.**, Boulton, A.J., Ni, P., Keeney, T., Slavin, M.D., & Jette, A. (2021). Spinal Cord Injury – Functional Index (SCI-FI v.1.0): Responsiveness to Change Over Time. *Archives of Physical Medicine & Rehabilitation*, 103(2), 199-206. <https://doi.org/10.1016/j.apmr.2021.10.005>.
16. **Cohen, M.L.**, Harnish, S., Lanzi, A., Brello, J., Victorson, D., Kisala, P.A., Nandakumar, R., Tulskey, D.S. (2021). Adapting a PRO-Bookmarking Task to be Accessible to Adults with Cognitive and Language Disorders. *Journal of Speech, Language, and Hearing Research*, 64 (11), 4403-4412. https://doi.org/10.1044/2021_JSLHR-21-00071
17. Martens, C.R., **Cohen, M.L.**, Lanzi, A.M., Johnson, C. (2021). Expanding Alzheimer's Research at the University of Delaware and Beyond: The Delaware Center for Cognitive Aging Research (DECCAR). *Delaware Journal of Public Health*, 7(4), 24-30. doi: 10.32481/djph.2021.09.006
18. **Cohen, M.L.**, Ryan, A.C., & Lanzi, A.L. (2021). Prevention of and Early Intervention for Cognitive Decline due to Alzheimer's Disease and Related Disorders. *Delaware Journal of Public Health*, 7(4), 118-122. doi: 10.32481/djph.2021.09.014.
19. French, M.A., **Cohen, M.L.**, Pohlig, R.T., Reisman, D.S. (2021). Fluid Cognitive Abilities are Related to Locomotor Switching Ability in Neurologically Intact Adults, but Not Individuals After Stroke. *Journal of Neurologic Physical Therapy*, 46(1), 3-10. DOI: 10.1097/npt.0000000000000373. PMID: 34507340.
20. Roydhouse, J., **Cohen, M.L.**, Eshoj, H., Corsini, N. Yucel, E., Rutherford, C., Wac, K., Berrocal, A., Lanzi, A., Nowinski, C., Roberts, N., Kassianos, A., Seville, V., King, M.T., Mercieca-Bebber, R., on behalf of the ISOQOL Proxy Task Force. (2021). The Use of Proxies and Proxy-Reported Measures: A Report of the ISOQOL Proxy Task Force. *Quality of Life Research*. <https://doi.org/10.1007/s11136-021-02937-8>
21. Lanzi, A., Ellison, J., **Cohen, M.L.** (2021). The "Counseling+" Roles of the Speech-Language Pathologist Serving Older Adults with Mild Cognitive Impairment and Dementia. Invited paper for *Perspectives of the ASHA Special Interest Groups*, 6(5), 987-1002
22. **Cohen, M.L.**, & Lanzi, A., & Boulton A.J. (2021). Clinical Use of PROMIS, Neuro-QOL, TBI-QoL and Other Patient-Reported Outcome Measures for Individual Clients with Cognitive & Language Disorders. Invited paper for *Seminars in Speech and Language*, 42(3), 192-210.
23. French, M.A., **Cohen, M.L.**, Pohlig, R.T., Reisman, D.S. (2021). Fluid Cognition is Important for Learning and Retention of a New, Explicitly-Learned Walking Pattern in Individuals After Stroke. *Neurorehabilitation and Neural Repair*, 35(5), 419-430.
24. **Cohen, M.L.**, Boulton, A.J., Lanzi, A., Sutherland, E., Hunting Pompon, R. (2021). Psycholinguistic Features, Design Attributes, and Respondent-Reported Cognition Predict Response Time to Patient-Reported Outcome Measure Items. *Quality of Life Research*, 30(6), 1693-1704. <https://doi.org/10.1007/s11136-021-02778-5>.
25. Lanzi, A., Wallace, S.E., **Cohen, M.L.**, & Bourgeois, M.S. (2021). Structured External Memory Aid Treatment (SEMAT) in Older Adults with Mild Cognitive Impairment: Long-Term Adherence and Subjective Experiences of Treatment. *Aphasiology*. <https://doi.org/10.1080/02687038.2020.1868395>

26. Sanjana, F*, Delgorio, P.L.*, Hiscox, L.V*, DeConne, T.M*, Hobson, J.C., **Cohen, M.L.**, Johnson, C.L., Martens, C.R. (2020). Blood Lipid Markers are Associated with Hippocampal Viscoelastic Properties and Memory in Humans. *Journal of Cerebral Blood Flow and Metabolism*. <https://doi.org/10.1177/0271678X20968032>
27. **Cohen, M.L.** & Hula, W.D. (2020). Patient-Reported Outcomes and Evidence-Based Practice in Speech-Language Pathology. *American Journal of Speech-Language Pathology*, 29(1), 357-370. https://doi.org/10.1044/2019_AJSLP-19-00076.
28. **Cohen, M.L.**, Kisala, P.A., Boulton, A.J., Carlozzi, N.E., Cook, C.V., & Tulskey, D.S. (2019). Development and Psychometric Characteristics of the TBI-QOL Communication Item Bank. *Journal of Head Trauma Rehabilitation*, 34(5), 326-339. <https://doi.org/10.1097/HTR.0000000000000528>.
29. **Cohen, M.L.**, Weatherford, S.*, & Nandakumar, R. (2019). How Normal are "Normal" Errors of Language and Cognition? *Journal of Speech, Language, and Hearing Research*, 62(5), 1468-1472. https://doi.org/10.1044/2018_JSLHR-L-18-0215
30. **Cohen, M.L.**, Tulskey, D.S., Boulton, A.J., Kisala, P.A., Bertish, H., Yeates, K.O., Zonfrillo, M.R., Durbin, D., Jaffe, K.M., Tempkin, N., Wang, J., Rivara, F.P. (2019). Reliability and Construct Validity of the TBI-QOL Communication Short Form as a Parent-Report Instrument for Children with Traumatic Brain Injury. *Journal of Speech, Language, and Hearing Research*, 62 (1), https://doi.org/10.1044/2018_JSLHR-L-18-0074
31. Kisala, P.A., Boulton, A.J., **Cohen, M.L.**, Slavin, M.D., Jette, A.M., Charlifue, S., Hanks, R., Mulcahey, M.J., Cella, D., Tulskey, D.S. (2019). Interviewer vs. Self-Administration of PROMIS Measures for Adults with Traumatic Injury. *Health Psychology*, 38(5), 435-444. <http://dx.doi.org/10.1037/hea0000685>.
32. **Cohen, M.L.**, Holdnack, J.A., Kisaka, P.A., & Tulskey, D.S. (2018). A Comparison of PHQ-9 and TBI-QOL Depression Measures among Individuals with Traumatic Brain Injury. *Rehabilitation Psychology*, 63(3), 365-371. <http://dx.doi.org/10.1037/rep0000216>
33. Magasi, S., Harniss, M., Tulskey, D.S., **Cohen, M.L.**, Heinemann, A. (2017). Test Accommodations for Individuals with Neurological Conditions Completing the NIH Toolbox – Cognition Battery: An Evaluation of the Frequency and Appropriateness. *Rehabilitation Psychology*, 62 (4), 455-463. <http://dx.doi.org/10.1037/rep0000191>
34. Tulskey, D.S., Holdnack, J.A., **Cohen, M.L.**, Heaton, R. K., Carlozzi, N., Wong, A. W. K., Boulton, A. J., & Heinemann, A. (2017). Factor Structure of the NIH Toolbox Cognition Battery in Individuals with Acquired Brain Injury. *Rehabilitation Psychology*, 62 (4), 435-442. <http://dx.doi.org/10.1037/rep0000183>
35. **Cohen, M.L.**, Tulskey, D.S., Holdnack, J.A., Carlozzi, N.E., Wong, A., Magasi, S., Heaton, R.K., & Heinemann, A. (2017). Cognition among Community-Dwelling Individuals with Spinal Cord Injury: An Investigation Using the NIH Toolbox – Cognitive Battery. *Rehabilitation Psychology*, 62 (4), 425-434. <http://dx.doi.org/10.1037/rep0000140>.
36. **Cohen, M.L.**, Kisala, P., Dyson-Hudson, T., & Tulskey, D.S. (2017). Measuring Pain Phenomena After Spinal Cord Injury: Development and Psychometric Properties of the SCI-QOL Pain Interference and Pain Behavior Assessment Tools. *Journal of Spinal Cord Medicine*. <http://dx.doi.org/10.1080/10790268.2017.1279805>.
37. Papafragou, A., Friedberg, C., & **Cohen, M.L.** (2017). The Role of Speaker Knowledge in Children's Pragmatic Inferences. *Child Development*, 89(5), 1642-1656. <https://doi.org/10.1111/cdev.12841>
38. Papafragou, A., Fairchild, S., **Cohen, M.L.**, & Friedberg, C. (2017). Learning Words from Speakers with False Beliefs. *Journal of Child Language*, 44(4), 905-923. <http://dx.doi.org/10.1017/s0305000916000301>.
39. Puente, A.N., **Cohen, M.L.**, Aita, S., & Brandt, J. (2016). Behavioral Ratings of Executive Functioning Explain Instrumental Activities of Daily Living Beyond Test Scores in Parkinson's Disease. *The Clinical Neuropsychologist*, 30(1), 95-106. <http://dx.doi.org/10.1080/13854046.2015.1133847>
40. **Cohen, M.L.**, Schwab, N., Price, C.C., & Heilman, K.M. (2015). Impaired switching from self-prepared actions in mild Parkinson's disease. *Journal of Parkinson's Disease*, 5(4), 961-970. <http://doi.org/10.3233/JPD-150672>.
41. **Cohen, M.L.**, Aita, S., Mari, Z. & Brandt, J. (2015). The unique and combined effects of apathy and depression on cognition in patients with Parkinson's disease. *Journal of Parkinson's Disease*, 5(2), 351-359. <http://doi.org/10.3233/JPD-140484>.
42. **Cohen, M.L.**, Testa, S. M., Pritchard, J., Zhu, J., Hopp, J. (2014). Overlap between dissociation and other psychological features in patients with psychogenic non-epileptic seizures. *Epilepsy & Behavior*, 34, 47-49. <http://dx.doi.org/10.1016/j.yebeh.2014.03.001>
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46. Kwon, J.C., **Cohen, M.L.**, Williamson, J. B., Burtis, B., & Heilman, K. M. (2011) Bimanual-vertical hand movements. *Journal of the International Neuropsychological Society*, 17, 732-739. <http://dx.doi.org/10.1017/s135561771100066x>

47. **Cohen, M.L.**, Rozensky, R. H., Zlatar, Z., Averbuch, R., & Cibula, J. (2010). Presentation of post-traumatic stress disorder due to the misattribution of seizure-related experiential responses. *Epilepsy & Behavior*, 19, 652-655. <https://doi.org/10.1016/j.yebeh.2010.09.029>. PMID: 21035405
48. **Cohen, M.L.**, Burtis, B., Williamson, J. B., Kwon, J. C., & Heilman, K. M. (2010). Action-intentional spatial bias in a patient with posterior cortical atrophy. *Neurocase*, 16(6), 529-534 <https://doi.org/10.1080/13554794.2010.487827>. PMID: 20672222

Book Chapters (*denotes trainee)

Crosson, B., and **Cohen, M. L.** (2012). Language and Communication Disorders Associated with Attentional Deficits. In R. Peach and L. Shapiro (Eds.), *Cognition and Acquired Language Disorders: A Process-oriented approach* (pp. 167-182). St. Louis: Elsevier.

Published Abstracts (*denotes trainee)

1. Rizzi, N.A.*, Kramer, M.K*, Deconne, T.M.*, Ellison, J.M., Lanzi, A.M., Overstreet, M., Edwards, D., **Cohen, M.L.**, Johnson, C.L., Martens, C.R. (2023). Peak substrate oxidation and peak oxygen consumption are diminished in Individuals with Mild Cognitive Impairment. *Physiology*, 38(S1).
2. Rizzi, N.A.*, Kramer, M.K*, Deconne, T.M.*, Ellison, J.M., Lanzi, A.M., **Cohen, M.L.**, Johnson, C.L., Martens, C.R. (2023). Maximal fat oxidation is diminished in Individuals with Mild Cognitive Impairment. *International Journal of Exercise Science: Conference Proceedings*, 9(11), 25.

Recent Conference Presentations (*denotes trainee)

- Kramer, M.K*, Pyontek, N.J.*, Rizzi, N.A.*, Decker, K.P.*, **Cohen, M.L.**, Lanzi, A.M., Martens, C.R., Johnson, C.L. (2025, July). Increased Plasma Amyloid and Tau Concentrations Associated with Decreased Mechanical Integrity of Braak Regional Measured with MR Elastography. Abstract submitted to the Alzheimer's Association International Conference, Toronto.
- Ellison, J.M., **Cohen, M.L.**, Husain-Krautter, S. (2025, May). Better Care for Older Adults with Mild Impairment of Cognition or Behavior. Abstract submitted to the American Psychiatric Association Annual Conference, Los Angeles.
- **Submission ranked #20 of >600****
- Cohen, M.L.**, Van Buren, K., Myers, M., Ellison, J.M., Martens, C.R., Lanzi, A.M. (2025, May). A Non-Randomized Pilot Trial of Brain-WISE: A Community-Based Program for Brain Health and Dementia Risk Reduction. Abstract submitted to the 2025 Annual Conference of the American Psychiatric Association, Los Angeles.
- Manzoor, S., * Thompson, E.D., Wright, H., Wright, T., Barela, A., **Cohen, M.L.**, Reisman, D.S., (2025, April). The Role of Visuospatial Working Memory in Visual Feedback-Based Motor Corrections During Walking After Stroke. Abstract submitted to Annual Conference of the American Society of Neurorehabilitation, Atlanta.
- Rizzi, N.A.*, Decker, K.P.*, Rigas, Z.*, Awad, C., Sanjana, F.*, **Cohen, M.L.**, Lennon, S.L., Martens, C.M. (2025, Nov). The Effect of a 10-Day Western Diet on Plasma Brain-Derived Neurotrophic Factor. Abstract submitted to the 2025 National Summit of the American Physiological Society, Baltimore.
- Saylor, A.K., Johnson, A.L., Stagge, F., Dallas, O., Palmer, K., Fromm, D., **Cohen, M.L.**, MacWhinney, B., Lanzi, A.M. (2025, April). Semantic Measures of Older Adults' Spoken Language Varies Based on Discourse Task. Poster presented at the Annual Conference of Aphasia Access, Pittsburgh.
- Kramer, M.K., Pyontek, N.J., Rizzi, N.A., Decker, K.P., Cohen, M.L., Lanzi, A.M., Martens, C.R., Johnson, C.L. (2025, May). Increased Peripheral Blood Plasma Amyloid and Tau Concentrations Associated with MR Elastography Measures of Brain Stiffness.
- Kramer, M.K.*, Delgorio, P.L.*, Diano, A.M.*, Twohy, K.E., Bailey, O.M., Hiscox, L.V., **Cohen, M.L.**, Lanzi, A.M., Martens, C.R., Johnson, C.L. (2025, May). Functional Relationship with MR Elastography Measures of Basal Ganglia Stiffness in Mild Cognitive Impairment. Abstract submitted to the International Society for Magnetic Resonance in Medicine Annual Conference.
- Kramer, M.K.*, Delgorio, P.L.*, McIlvain, G.A., Diano, A.M.*, Bailey, O.M., Twohy, K.E., Lanzi, A.M., **Cohen, M.L.**, Martens, C.R., Johnson, C.L. (2024, July). Basal ganglia mechanical stiffness is associated with fluid intelligence in amnesic mild cognitive impairment. Paper presented at the 2024 Biomedical Engineering Society, Baltimore.
- Decker, K.P., Rigas, Z., Rizzi, N.A., Awad, C., Sanjana, F., **Cohen, M.L.**, Lennon, S.L., Martens, S.R. (2024, July). The effects of dietary sugar intake on cardiometabolic health and memory recall in midlife adults. Poster presented at the Alzheimer's Disease International Conference, Philadelphia.
- Stagge, F.*, **Cohen, M.L.**, Johnson, Allyson L., & Lanzi, A.M. (2024, December). Clinical Applications of Patient-Reported Outcome Measures for Cognitive-Communication Disorders: Current Uses and Overcoming Barriers. 1-hour Seminar at the Annual Conference of the American Speech-Language-Hearing Association, Seattle.

- Rizzi, N.A.*, Decker, K.P.*, Rigas, Z.*, Awad, C., Sanjana, F.*, **Cohen, M.L.**, Lennon, S.L., Martens, C.M. (2024, Nov). The Effect of a Diet High in Added Sugars on Circulating Brain-Derived Neurotrophic Factor. Abstract submitted to Mid-Atlantic American College of Sports Medicine, Lancaster
- Lanzi, A.M., Saylor, A.K., Fromm, D., MacWhinney, B., **Cohen, M.L.** (2024, July). Expanding DementiaBank: An Online Multimedia Database for Big Data Analyses of Language and Cognition in Dementia. Abstract presented at the Global Neuropsychology Conference. Porto, Portugal.
- Kramer, M.K.*, Delgorio, P.L.*, Diano, A.M.*, McIlvain, G.A., Twohy, K.E., Bailey, O.M., **Cohen, M.L.**, Lanzi, A.M., Martens, C.R., Johnson, C.L. (2024, July). Basal ganglia mechanical stiffness is associated with fluid intelligence in amnesic mild cognitive impairment. Poster presented at the Alzheimer's Disease International Conference, Philadelphia.
- Cohen, M.L.**, Van Buren, K., Myers, M.J., Ellison, J.M., Martens, C.R., & Lanzi, A.M. (2024, July). A feasibility study of Brain-WISE: A group-based, person-centered dementia risk reduction program. Poster presented at the Alzheimer's Disease International Conference, Philadelphia.
- Saylor, A.K.*, **Cohen, M.L.**, MacWhinney, B., Fromm, D., Stagge, F.*, Lanzi, A.M. (2024, July). Importance of Task Type when Considering Semantic Language Variables as Non-Invasive Biomarkers. Poster presented at the Alzheimer's Disease International Conference, Philadelphia.
- Stagge, F.*, Lanzi, A.M., **Cohen, M.L.**, Johnson, C.L., Martens, C.R. (2024, July). Feasibility of a Telehealth-Based Registry for Older Adults with Mild Cognitive Impairment Recruited from the Community. Poster presented at the Alzheimer's Disease International Conference, Philadelphia.
- Cohen, M.L.**, Boulton, A.J., Tyner, C.E., Slotkin, J., Weintraub, S., Gershon, R.C., Dodge, H.H., Tulskey, D.S. (2024, Feb). Cross-domain symptom profiles of MCI and dementia assessed with the NIH Toolbox. Paper submitted to the Annual Conference of the *International Neuropsychological Society*.
- Tyner, C.E., Boulton, A.J., Slotkin, J., **Cohen, M.L.**, Weintraub, S., Gershon, R.C., Tulskey, D.S. (2024, Feb). Using the NIH Toolbox to Detect Clusters of Symptoms Across Domains in MCI and AD. Paper submitted to the Annual Conference of the *International Neuropsychological Society*.

Invited Talks

- Cohen, M.L.**, (2023, Nov). Brain Health and Aging. University of DE Annual Faculty Lecture sponsored by Friends of the UD Library; Newark, DE.
- MacWhinney, B., Fromm, D., Lanzi, A. M., & **Cohen, M. L.** (2022, July). DementiaBank and TalkBank. Keynote presentation at the Artificial Intelligence for Neurodegenerative Diseases AI4AD Workshop at the World Congress on Computation Intelligence (WWCI), Padua, Italy.
- Lanzi, A.M., **Cohen, M.L.**, Interdisciplinary Cognitive-Communication Assessment for Mild Cognitive Impairment from Alzheimer's Disease (2022, Nov). Invited Talk at the Annual Convention at the American Speech-Language-Hearing Association, New Orleans.
- Cohen, M.L.** & Hunting Pompon, R. (2021). Patient-reported outcome measures: integrating and interpreting PROMs to address the health and well-being of your client. Invited platform presentation for the 2021 Annual Convention of the American Speech-Language-Hearing Association.

Ad Hoc Reviewer

Alzheimer's & Dementia
Journal of Alzheimer's Disease
The Journal of Prevention of Alzheimer's Disease
Journal of Geriatric Psychiatry and Neurology
Disability & Rehabilitation
American Journal of Speech-Language Pathology (reviewer + Guest Editor)
Journal of the International Neuropsychological Society
Journal of Patient-Reported Outcomes
Applied Neuropsychology
Rehabilitation Psychology
Quality of Life Research
Language, Speech, and Hearing Services in Schools
Parkinsonism and Related Disorders
The Cleft Palate-Craniofacial Journal [methods reviewer]
Neurocase

Press and Similar Dissemination

- 2025 Article in Morning Star (Sussex Co., DE publication) about foundation-funded research <https://starpublications.online/funding-a-cure-cf-fund-grants-over-6m-for-alzheimers-research/>
- 2024 Interviewed for The Ohio State University's alumni magazine. Article titled "Community of Hope" about the OSU Aphasia Initiative.
- 2023 Radio Interview on WDEL's "Del-AWARE with Peter MacArthur" about the Delaware Center for Cognitive Aging Research (10/19/23). <https://sites.udel.edu/memory-research/news/>
- 2023 UDaily Article: Promoting Brain Health. <https://www.udel.edu/udaily/2023/september/delaware-center-for-cognitive-aging-research-brain-health-wellness-program/>
- 2022 Article in University of Delaware Magazine; 30(3), p.4. "Advancing Alzheimer's Research" <https://www1.udel.edu/ocm/magazine/UDMagazineV30n3/mobile/index.html>
- 2022 UDaily Article: "Advancing Alzheimer's Research" <https://www.udel.edu/udaily/2022/august/delaware-center-cognitive-aging-research-alzheimers-dementia-prevention/>
- 2021 Invited Speaker to the ASHA Special Interest Group (SIG) 2 Live Journal Club (August)
To discuss: Lanzi, A., Ellison, J., Cohen, M.L. (2021). The "Counseling+" Roles of the Speech-Language Pathologist Serving Older Adults with Mild Cognitive Impairment and Dementia. *Perspectives of the ASHA Special Interest Groups*.
- 2021 DE-CTR ACCEL "Ask the Researcher" <https://www.de-ctr.org/category/ask-the-researcher/>
- 2019 Interview with SpeechPathologyMastersPrograms.com <https://speechpathologymastersprograms.com/faculty-interviews/matthew-cohen/>
- 2018 Interview with the Gordon & Betty Moore Foundation <https://www.moore.org/article-detail?newsUrlName=beyond-the-lab-matthew-l.-cohen-ph.d>