Robert Cavanaugh

M.S. CCC-SLP

I'm a certified speech-language pathologist and Ph.D student in the Department of Communication Science and Disorders at the University of Pittsburgh. My research currently focuses on the translation and clinical implementation of treatments for aphasia and related disorders. I have worked clinically in inpatient and outpatient rehabilitation settings, specializing in assessment and treatment of acquired and degenerative neurogenic communication disorders.

Education PhD Student, Communication Science and Disorders Current University of Pittsburgh 2018 M.S. Speech and Hearing Sciences 2015 University of North Carolina at Chapel Hill 2013 • Thesis: Working Memory Capacity and Subjective Communication Difficulties in High Level Aphasia B.A. Communication Science and Disorders 2013 University of Pittsburgh 2009 · Magna cum laude Appointments & Positions Predoctoral Fellow Current Institute for Clinical Research Education 2019 University of Pittsburgh TL1TR001858 (PI: Kraemer) Graduate Student Researcher Current Language Rehab and Cognition Lab 2018 University of Pittsburgh PI: William S. Evans Research Associate, WOC Current Department of Speech Pathology and Audiology 2018 VA Pittsburgh Healthcare System Graduate Research Assistant 2015 Center for Aphasia and Related Disorders 2013 UNC - Chapel Hill PI: Katarina Haley Undergraduate Research Assistant 2013 Eye and Ear Institute 2010 University of Pittsburgh Medical Center

PI: Patrick Sparto



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Key Interests

- Aphasia treatment outcomes
- lmplementation Science
- ♣ Data science & Statistics
- R #R Stats & R Shiny

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Last updated on 2021-04-18.

🛱 Clinical Training

Speech-Langauge Pathologist II 2018 Carolinas Rehabilitation, Atrium Health 2016 Formerly, Carolinas Healthcare System Speech-Langauge Pathologist II 2018

Charlotte, NC

2016

Carolinas Neurosciences Institute, Atrium Health

Charlotte, NC

Speech-Langauge Pathologist - Clinical Fellow 2016 Carolinas Rehabilitation, Atrium Health 2015

Charlotte, NC

Grant Support

NIH-NIDCD NRSA individual predoctoral fellowship: pending

Determinants of multilevel discourse outcomes in anomia

treatment for aphasia Role: PI; Impact Score: 25

Sponsors: Michael Walsh Dickey & William S. Evans

Current 2019

The University of Pittsburgh CTSI-Clinical and Translational Science Fellowship: Comparing Treatment Intensity between Research and Clinical Practice in Post-Stroke Aphasia

Role: Predoctoral Fellow TL1TR001858 (PI: Kraemer)

Mentors: Michael Walsh Dickey, William S. Evans, & Catherine Palmer

2019

School of Health and Rehabilitation Sciences Research Development Fund

Role: PI: Direct Costs: \$1000 Faculty Sponsor: William S. Evans

Publications

in press

Evans, WS, Cavanaugh, RB, Quique, Y, Boss, E, Starns, JJ, Hula, WD. (in press). Playing with BEARS: Balancing Effort, Accuracy, and Response Speed in a Semantic Feature Verification Anomia Treatment Game. Journal of Speech, Language, and Hearing Research.

2021

Evans, W. S., Cavanaugh, R. B., Gravier, M. L., Autenreith, A. S., Doyle, P. J., Hula, W. D., Dickey Michael, W., & Dickey, M. W. (2020). Effects of Semantic Feature Type, Diversity, and Quantity on Semantic Feature Analysis Treatment Outcomes in Aphasia. American Journal of Speech-Language Pathology. https://doi.org/10.1044/2020_AJSLP-19-00112

2020

Cavanaugh, R.B., Haley, K.L. (2020) Subjective communication difficulties in very mild aphasia. American Journal of Speech-Language Pathology, 29(1S), 437-448. https://doi.org/10.1044/2019_AJSLP-CAC48-18-0222

under review

Cavanaugh, R.B., Kravetz, C., Jarold, L., Quique, Y., Turner, R., Evans, W.S. (manuscript under review). Is there a research-practice dosage gap in aphasia rehabilitation?

Refereed Presentations

- Cavanaugh, R.B., Kravetz, C., Jarold, L., Quique, Y., Turner, R., Evans, W.S. (2021). Is there a research-practice dosage gap in aphasia rehabilitation?
 Abstract for poster presentation, Aphasia Access Leadership Summit, online.
- Cavanaugh, R.B., Kravetz, C., Jarold, L., Quique, Y., Turner, R., Evans, W.S. (2020). Is there a research-practice dosage gap in aphasia rehabilitation? Abstract for poster presentation, 16th Annual Rehabilitation Institute Research Day. Pittsburgh, PA
- Cavanaugh, R.B., Terhorst, L., Swiderski, A.W., Hula, W.D., Evans, W.S. (2020). A Systematic Appraisal of Individual Effect Sizes in Aphasia Single-Case Designs via Simulation. Abstract for poster presentation, 58th Academy of Aphasia, Philadelpha PA.
- Cavanaugh, R.B., Quique, Y, Boss, E, Hula, W.D., and Evans, W.S. (2020). Practicing with BEARS: Active Ingredients in Semantic Feature Analysis. Abstract for poster presentation, 49th annual Clinical Aphasiology Conference, Whitefish, MT (Conference canceled).
- Evans, W.S., Cavanaugh, R.B., Quique, Y., Boss, E., Dickey, M.W., Doyle, P, Starns, J.J., and Hula, W.D., (2020). BEARS-Balancing Effort, Accuracy, and Response Speed in semantic feature verification anomia treatment. Abstract for platform presentation, 49th annual Clinical Aphasiology Conference, Whitefish, MT (Conference canceled).
- Quique, Y., Cavanaugh, R.B., Starns, J.J., Boss, E., Hula, W.D., and Evans, W.S. (2020). Estimating the speed-accuracy tradeoff "Sweet Spot" in language performance for people with aphasia: replication and extension of a diffusion-model based approach. Abstract for poster presentation, 49th annual Clinical Aphasiology Conference, Whitefish, MT (Conference canceled).
- Cavanaugh, R.B., Kravetz, C., Evans, W.S. Utilization and Disparities in Outpatient Aphasia Rehabilitation in Western Pennsylvania. Abstract for poster presentation, Pennsylvania Speech-Language Hearing Association Annual Conference, Pittsburgh, PA (Conference Canceled).
- Cavanaugh, R.B., Evans, W.S., Gravier, M., Autenreith, A., Ashmore, E., Doyle, P., Hula, W., Dickey, M.W., (2019). Do the kinds of features that patients generate during Semantic Feature Analysis affect treatment outcomes? Poster presented at the 2019 Clinical Aphasiology Conference in Whitefish, MT.
- Cavanaugh, R.B., Haley, K.L. (2018) Subjective communication difficulties in very mild aphasia. Abstract for poster presentation, 48th annual Clinical Aphasiology Conference, Austin, TX.
- Cavanaugh, R.B., & Haley, K. (2014, April) Accounting for Aphasia-Related Language Deficits in Verbal Working Memory Assessments: A Literature Review. Poster presented at the 2014 SPHS Student Research Day in Chapel Hill, NC.

	童	Teaching
2020	•	CSD M.S. Summative Assessment Project
		Peer-review of M.S SLP students comprehensive exams
2020	•	CSD 2230: Neurogenic Language and Cognitive Communication Disorders
		 Guest Lecture 1: TBI: Pathophysiology and Medical Considerations Guest Lecture 2: Case studies in adult neurological communication disorders
2020	•	SPHS 742: Aphasia (University of North Carolina at Chapel Hill)
		Invited Lecture: Applying treatment research in clinical practice settings
2019	•	CSD 2230: Neurogenic Language and Cognitive Communication Disorders
		 Guest Lecture 1: TBI: Pathophysiology and Medical Considerations Guest Lecture 2: Case studies in adult neurological communication disorders
	Ö	Honors and Awards
2020	•	ANCDS Conference Student Fellowship
2020		NIH-NIDCD Academy of Aphasia conference grant (R13 DC017375-01)
2019	•	NIH-NIDCD Fellowship: Research Symposium in Clinical Aphasiology
2014	•	Adult Communication Disorders Annual Scholarship, UNC-Chapel Hill
2014	•	Robert W. Peters Award for excellence in research, UNC-Chapel Hill
	*	Certification, Licensure, Memberships, and Service
2020 -	•	Reviewer, ASHA Annual Convention: Adult Language Section
2020 -	•	Member, Academy of Neurologic Communication Disorders and Sciences
2016 -	•	CCC-SLP: American Speech-Language and Hearing Association (ASHA)
2015 -	•	SLP: Board of Examiners in Speech-Language Pathology, North Carolina
2015 -	•	Member, ASHA SIG 2: Neurogenic Communication Disorders
	-	Software
2021	•	Kowalski, J., and Cavanaugh R.B. (2021). TBDBr: Easy Access To TalkBankDB via R API. https://github.com/TalkBank/TalkBankDB-R, https://talkbank.github.io/TalkBankDB-R/.