

Matthew J. Sayers, MS CCC-SLP

Doctoral Candidate, Temple University

Contact

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Research Interests

- Verbal short-term memory impairments in aphasia
- Receptive language impairments in latent aphasia
- Translational research

Education

Ph.D., Communication Sciences & Disorders Temple University, Philadelphia, Pennsylvania Advisors: Nadine Martin PhD (primary mentor), Jamie Reilly PhD, & Tania Giovanetti PhD Expected graduation date: May 2024	In progress
M.S. Speech-Language Pathology	2012
B.A., Latin American Studies Johns Hopkins University, Baltimore, Maryland	2005

Honors, Scholarships and Awards

Temple University Communication Sciences and Disorders Chair's Scholarship	Fall 2023
NIDCD Academy of Aphasia Young Investigator Travel Fellowships	2023
Travel grant, NIDCD RSCA Fellowship, Clinical Aphasiology Conference	2023
ASHA Pathways Program, Mentor: Heather Harris Wright	2023
Eleanor M. Saffran Conference Student Scholar	2022 & 2020
First Summer Research Initiative Award (scholarship)	2022 & 2002
LaSalle University Graduate Clinical Service Award	2012



Peer-Reviewed Journal Articles

1. **Sayers, M.**, Laval, D., Reilly, J., & Martin, N (2021) Integrity of input verbal short-term memory predicts naming accuracy in aphasia. *Aphasiology*, 37(6), 813-834, <https://doi.org/10.1080/02687038.2022.2043233>
2. **Sayers, M.**, Greenspan, W., & Martin, N. (2022) Integrating verbal short-term memory into the assessment and treatment of aphasia. *Perspectives of the ASHA Special Interest Groups*, 7(6), 1660-1678. https://doi.org/10.1044/2022_PERSP-21-00289
3. Litovsky, C. P., Finley, A. M., Zuckerman, B., **Sayers, M.**, Schoenhard, J. A., Kenett, Y. N., & Reilly, J. (2022). Semantic flow and its relation to controlled semantic retrieval deficits in the narrative production of people with aphasia. *Neuropsychologia*, 170, 108235. <https://doi.org/10.1016/j.neuropsychologia.2022.108235>

Presentations

1. **Sayers, M.**, Rapone, R., & Martin, N. (2023, October 21-23) Verbal STM tasks identify impairments in latent aphasia: Effects of memory load and response delay [Poster presentation] 61st Annual Meeting of the Academy of Aphasia, Reading, England, UK.
2. Lee, J., van Boxtel, W.S., Weirick, J. D., Martin, N., Bauman, E., Haven, L., **Sayers, M.**, & Manning, R. (2023, October 21-23). Implicit structural priming as a treatment in aphasia: Specifying essential components. [Platform presentation] 61st Annual Meeting of the Academy of Aphasia, Reading, England, UK.
3. **Sayers, M.**, Riley, G., & Martin, N. (2023, May 30 – June 3) Heterogeneity in response to delay conditions in aphasia [Poster presentation] 52nd Meeting of the Clinical Aphasiology Conference, Atlantic City, NJ.
4. **Sayers, M.**, (2023, March 6) Verbal short-term memory as a mediator of language access in aphasia [Invited lecture] Laboratory for Cognition and Neural Stimulation, University of Pennsylvania, Philadelphia, PA.
5. Litovsky, C., Finley, A. M., **Sayers, M.**, Schoenhard, J., Kenett, Y., & Reilly, J. (2022, October 23-25) [Platform presentation] 60th Annual Meeting of the Academy of Aphasia, Philadelphia, PA.
6. **Sayers, M.**, & McCaffrey, K. (2022, October 24) Repetition disorders and verbal short-term memory [Guest course lecture] Foundations and Rehabilitation of Language and Cognitive Disorders in Aphasia, Temple University, Philadelphia, PA
7. **Sayers, M.**, (2021, November 15) *Attention and executive function impairments* [Guest course lecture] Foundations and Rehabilitation of Language and Cognitive Disorders in Aphasia, Temple University, Philadelphia, PA.
8. **Sayers, M.**, Litovsky, C., & Martin, N. (2022, September 16-17) *Task-related heterogeneity in response to delay conditions in aphasia* [Poster presentation] 16th Annual Eleanor M. Saffran Conference on Cognitive Neuroscience & Rehabilitation of Communication Disorders, September 16, 2022
9. **Sayers, M.**, Laval, D., & Martin, N. (2021, September 10-11) *Relationships between serial position effects in sentences and working memory load effects* [Poster presentation] 15th Annual Eleanor M. Saffran Conference on Cognitive Neuroscience & Rehabilitation of Communication Disorders, Philadelphia, PA.
10. **Sayers, M.**, (2020, October 16) *Integrity of input verbal short-term memory predicts naming accuracy and error types* [Seminar presentation] Communication Sciences and Disorders Proseminar, Temple University, Philadelphia, PA.
11. **Sayers, M.**, Laval, D., Reilly, J., & Martin, N. *Integrity of input verbal short-term memory predicts naming accuracy and error types* [Poster Presentation] 58th Meeting of the Academy of Aphasia, October 20, 2020.



Presentations

12. **Sayers, M., & Goss, J.** (2019, March 17) *Utilizing speech-language pathology to improve patient outcomes* [Conference presentation] Neurovascular and Stroke Symposium, Voorhees, NJ.
13. **Sayers, M.,** (2016-2019) *Improving communication outcomes with patients with tracheostomies.* [Annual training] Cooper University Hospital Psychology Department

Research Experience

Research Assistant: Aphasia Rehabilitation Research Laboratory
Temple University, Philadelphia, PA

2019-
Present

Responsibilities: Stimulus design, participant recruitment, behavioral testing, brain imaging collection, eye-tracking, database management, experimental programming, supervision of student volunteers.

Teaching Experience

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| * | Development of Speech and Language (teaching assistant)
Temple University, Philadelphia, Pennsylvania | Spring 2021 |
| * | Foundations of Human Neuroscience (teaching assistant)
Temple University, Philadelphia, Pennsylvania. | Spring 2020 |

Clinical Experience

Speech-Language Pathologist

Acute-care hospital – inpatient/outpatient: aphasia, dysphagia, voice, cognition, motor speech
Inspira Hospital, Mullica Hill, NJ
Cooper University Hospital, Camden NJ

2020 - 22
2015-19

Skilled nursing facility – cognitive communication disorders, aphasia, dysphagia, end-of-life issues
Little Flower Manor, Darby, PA

2014-15

Clinical Licensure and Academic Societies

- American Speech-Language-Hearing Association (ASHA, CCC-SLP), License #14050573, 2013-present
- Speech-Language Pathologist, New Jersey State Licensure, License #41YS00803500

