BOSTON UNIVERSITY

Understanding semantic and phonological processing deficits in adults with aphasia: Effects of category and typicality Erin Meier¹, Melody Lo², & Swathi Kiran¹ Boston University, Sargent College of Health and Rehabilitation Sciences¹; South Shore Hospital, Weymouth, MA²

- processing (e.g., Dell et al., 1997; Levelt, Roelofs, & Meyer, 1999), semantic and phonological information are processed in separate stages; the level of interaction between stages remains debated
- discrete or interactive helps facilitate interpretation and treatment of different
- processing at different stages in PWA
- 2003) have found item category and typicality impact semantic processing in PWA but no studies to date have examined these effects in both semantic and phonological tasks



- accuracy and RT on nine semantic and phonological tasks?
- each group?

- neurologically-intact controls participated
- language assessments including the Western Aphasia Battery-Revised (WAB-R), Boston Naming Test (BNT) & Pyramids and Palm Trees Test (PAPT)



			Years of				WAB-R Aphas
Group		Age	Education	Handedness	Gender	MPO	Quotient (AC
PWA	AVERAGE	62.13	15.32	28R, 4L	20M, 12F	54.13	69.05 / 100
	Stdev	13.88	2.39			41.58	23.24
Controls	AVERAGE	56.90	16.20	9 R, 1L	6M, 4F	N/A	N/A
	Stdev	8.24	2.74			N/A	N/A

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with equal numbers of typical and atypical items



lexicon (POL)



