

From Participants to Participation in Aphasia Research

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The future of





WHAT EXACTLY IS "LPAA" RESEARCH

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IS THIS LPAA RESEARCH?

- Recovery of language function and brain metabolism in a patient with crossed aphasia: 2 year follow-up of brain FDG PET images
- Gavel club for people with aphasia: communication confidence and quality of communication life
- Use of co-verbal gestures during word-finding difficulty among Cantonese speakers with fluent aphasia and unimpaired controls
- Public awareness of aphasia results of a Swedish sample
- Playing a team game improves word production in poststroke aphasia
- Error analysis of oral paragraph reading in individuals with aphasia



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- Effects of phonomotor treatment on discourse production?
- Delivering word retrieval therapies for people with aphasia in a virtual environment
- A behavioral study of the nature of verb-noun dissociation in the nonfluent variant of primary progressive aphasia
- Motor evoked potential of upper limbs is predictive of aphasia recovery
- An investigation of hospitality industry students' awareness and knowledge of aphasia
- Speak along without the song: What promotes fluency in people with aphasia?





Mission: Growing a network of healthcare, business, and community leaders to advance lifelong communication access for people with aphasia.

http://www.aphasiaaccess.org



LIFE PARTICIPATION APPROACH TO APHASIA (LPAA)

- General philosophy and model of service-delivery
- Focuses on re-engagement in life by strengthening daily participation in activities of choice

http://www.asha.org/public/speech/disorders/LPAA.htm



LIFE PARTICIPATION APPROACH TO APHASIA (LPAA)

- LPAA places the life concerns of those affected by aphasia at the center of all decision making.
- It empowers the consumer to select and participate in the recovery process and to collaborate on the design of interventions that aim for a more rapid return to active life.
- The LPAA Project Group (Roberta Chapey, Judith F. Duchan, Roberta J. Elman, Linda J. Garcia, Aura Kagan, Jon Lyon, and Nina Simmons Mackie) of the American Speech-Language Hearing Association
- http://www.asha.org/public/speech/disorders/LPAA.htm



CORE VALUES OF LPAA

- Explicit goal is enhancement of life participation
- All those affected by aphasia are entitled to service
- Measures of success include documented life enhancement changes
- Both personal and environmental factors are targets of intervention
- Emphasis is on availability of services as needed at all stages of aphasia



ARE THESE THE CORE VALUES OF LPAA RESEARCH?

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PICO PROCESS

- The PICO process is a technique used in <u>evidence</u> <u>based practice</u> to frame and answer a clinical or health care related question.
- The PICO acronym stands for
 - P Populations/People/Patient/Problem
 - I Intervention
 - C Comparison, Control or Comparator (optional)
 - **0 0**utcome



P - POPULATIONS/PEOPLE/PATIENT/PROBLEM

- All those affected by aphasia are entitled to service
 - Person with aphasia
 - Others who are in contact with the person with aphasia
 - Family members
 - Professionals/students
 - Community members
- Emphasis is on availability of services as needed at all stages of aphasia
 - Acute, Subacute, Chronic



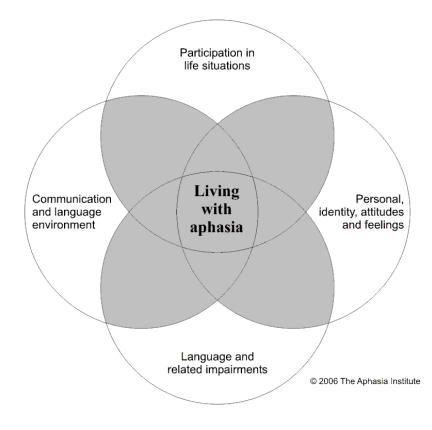
- Explicit goal is enhancement of life participation
- Both personal and environmental factors are targets of intervention



Explicit goal is enhancement of life participation

Both personal and environmental factors are

targets of intervention



 How explicit must the goal of enhancing life participation be?



 LPAA empowers the consumer to select and participate in the recovery process and to collaborate on the design of interventions that aim for a more rapid return to active life.



C – COMPARISON, CONTROL OR COMPARATOR (OPTIONAL)

- Comparing interventions
- Comparing participants (control group)
- Person with aphasia may serve as his/her own control
 - Single-subject design
 - Delayed treatment/wait-list control

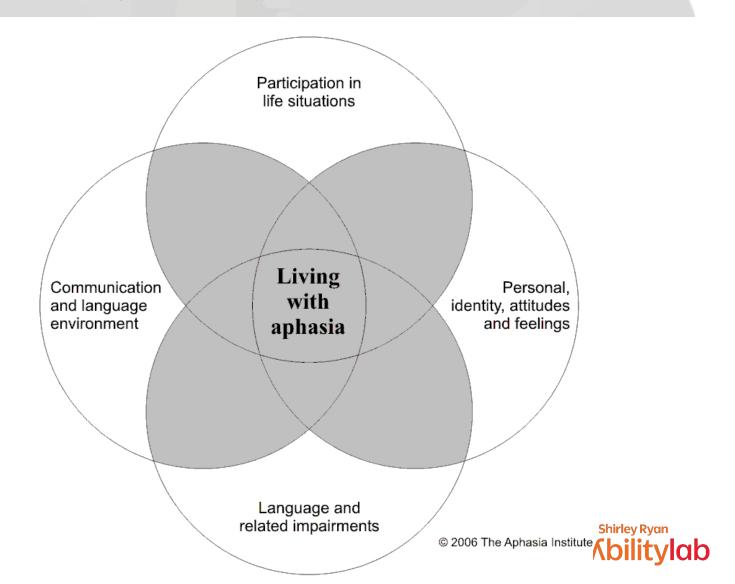


O – OUTCOME

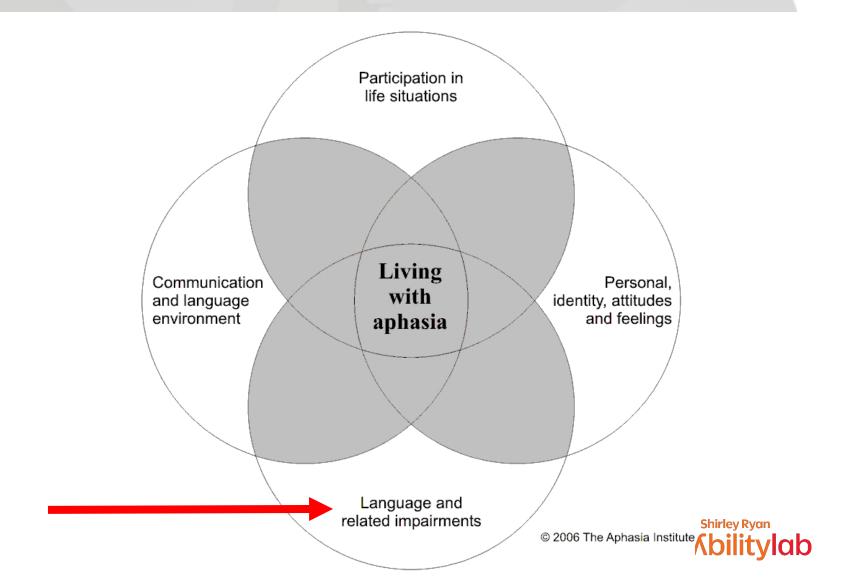
 Measures of success include documented life enhancement changes



LIVING WITH APHASIA: FRAMEWORK FOR OUTCOME MEASUREMENT (A-FROM)



LIVING WITH APHASIA: FRAMEWORK FOR OUTCOME MEASUREMENT (A-FROM)



HOW MANY ELEMENTS OF PICO MUST BE LPAA RELATED?

Playing a team game improves word production in post-stroke aphasia

- P participants with aphasia
- I team game; picture naming; group may "reduce feelings of isolation and lack of confidence"
- C pre/post assessment
- O picture naming; discourse (description of pictured scene)



FOCUS OF THE QUESTION

- Assessment
- Diagnosis
- Prognosis
- Treatment
- Cost-Effectiveness
- Prevention



STUDY DESIGN

- Quantitative vs Qualitative
- Retrospective vs Prospective
- Systematic Review
- Single-subject design (single case experimental design)
- RCT (Phase 1, 2 or 3)



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International Classification of Functioning, Disability and Health

