Contamination and Redemption Narratives in Aphasia Recovery:

Perspectives of Stroke Survivors

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Background

Persons with aphasia (PWA) experience communication difficulties, which negatively impact their quality of life¹. Personal narratives can help clinicians understand the experiences of PWA and provide an outlet for sharing personal information.²

The concept of *narrative identity,* supported by the Living with Aphasia: Framework for Outcome Measurement (A-FROM)³, highlights the importance of personal storytelling to enhance personal relationships and increase social interaction⁴.

A promising approach in related fields is the thematic coding of redemption (negative beginning, positive ending) and contamination (positive beginning, negative ending). These themes offer insight into their emotional experiences.⁵

Aims

- 1. Examine the frequency of affective sequences within narratives in people with aphasia.
- 2. Determine whether the presence of affective sequences in narration was predictive of baseline depression score.

Methods

Note. Mean (Standard Deviation)

17 stroke survivors with chronic aphasia (>6 months) were received from an ongoing study (Table 1). All participants completed the Aphasia Bank Discourse Task⁶ and the Neuro-QoL Depression Short Form as a measure of depression.⁷

Two certified Speech-Language Pathologists (SLPs) coded the interviews based on affective sequence types displayed in Table 2.

Table 1. Participant Demographics

Age (M, SD)	57.59 (10.63)
Sex (%)	
Female	18%
Male	82%
Race (%)	
White	65%
Black/African-American	35%
Months Post Diagnosis (M, SD)	58.71 (53.49)
Boston Naming Test ⁸ score (M, SD)	25.59 (11.77)
Comprehensive Aphasia Test ⁹ Modality	49.33 (3.60)
Mean (SD)	

Aphasia Bank Prompts

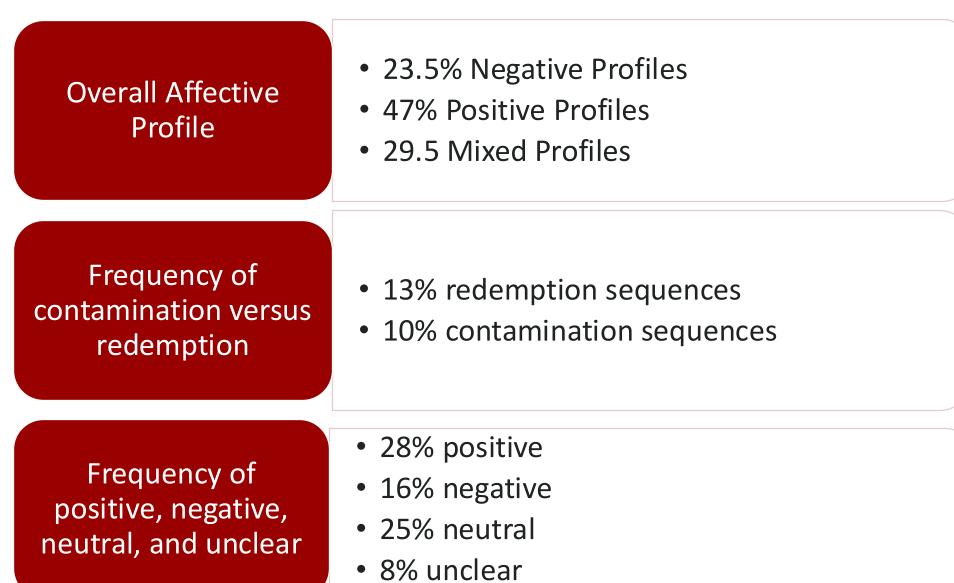
- 1. How is your speech these days? 2. Tell me about the day you had you stroke?
- 3. Tell me about your recovery. What things have
- you done to try to get better since your stroke?
- 4. Tell me something that was important that happened to you in your life.

Table 2. Theme Definitions

Affective Sequences	Definition	Example
Contamination	Present when a narrative shows a clear shift from a pleasant or positive beginning to a subsequent negative ending. The negative state must spoil the previous positive state.	"Very good at not very good."
Redemption	Present when a narrative shows a clear shift form an undesired or negative beginning to a subsequent positive ending. Emergent positivity must undo the core of the initial negativity.	"You know, I'll forget words, not forget them. But some words I might have to ask someone or it. It just takes so longer. But I can see that it's getting better."
Positive Stability	Present when a narrative has an overall positive tone but does not have a specific shift from negative to positive.	"good, um I can do it. Take your time. Don't rush. I'm fine."
Negative Stability	Present when a narrative has an overall negative tone but does not have a specific shift from positive to negative.	"it is uh hard, but uh it is. Um It is. It is hard."

Results

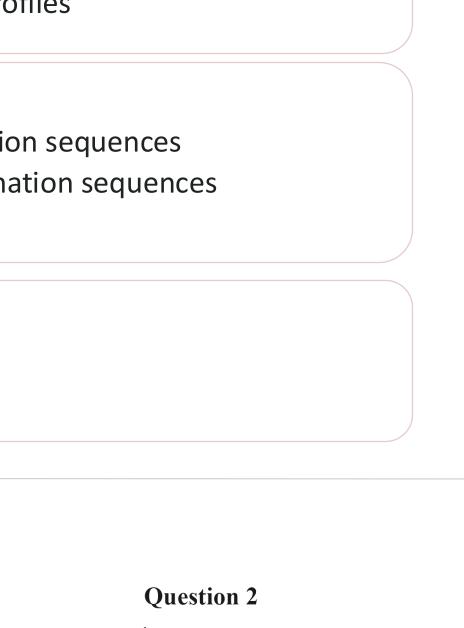




Question

Question

negative



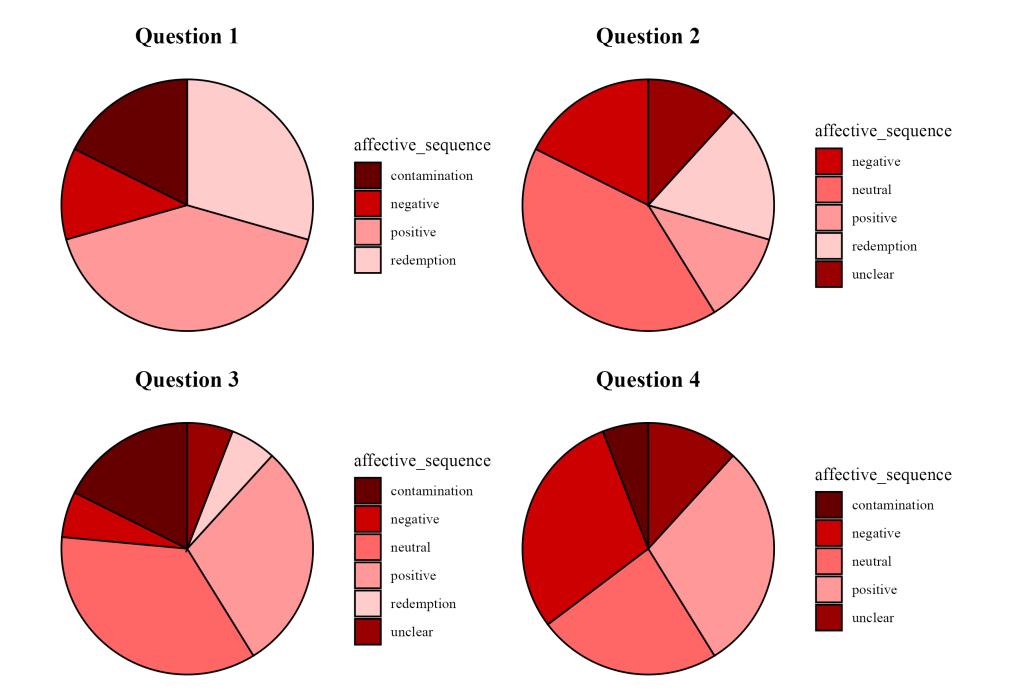
positive

positive

Question 4

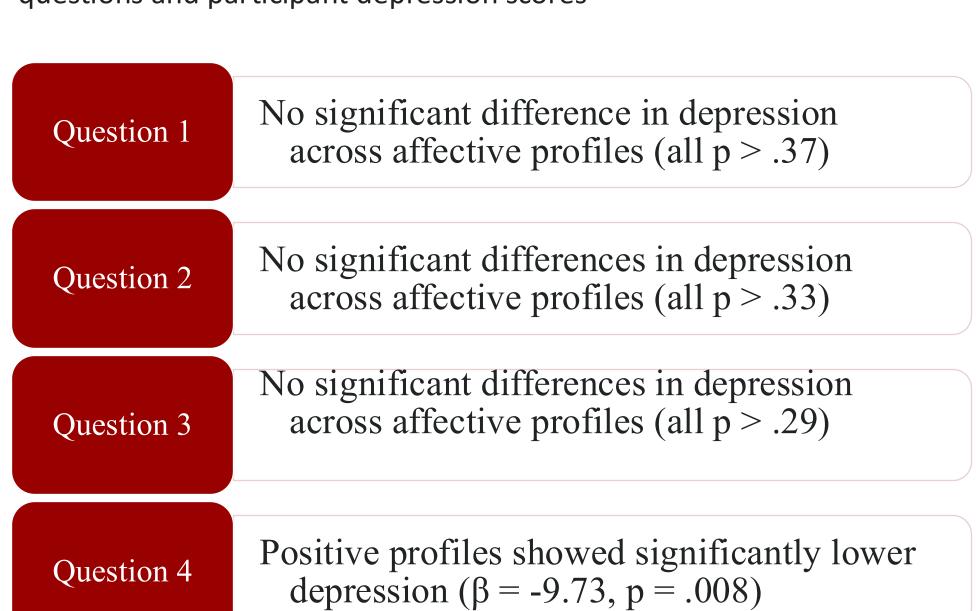
neutral

unclear



Aim 2:

Linear Regression Model examining the relationship between each AB questions and participant depression scores



Discussion

Our results found a significant relationship between lower depression scores and a positive affective sequence on the fourth Aphasia Bank prompt. Specifically, when participants were prompted to share an important story, good or bad, their depression levels varied. For instance, a participant who recounted a story about a bad car accident generally had higher levels of depression than a person who shared a story about a fun vacation.

The three aphasia-related prompts did not show a significant association with depression levels. This may be because narratives about one's strokes and residual deficits are often inherently negative and may reflect a person's awareness of the severe impact of stroke and aphasia.

Overall, these results suggest that the emotional content of personal narratives can provide insights into an individual's well-being. This line of research may inform future assessment or intervention tools.

Future Directions

- 1. Continue recruiting for greater statistical power to establish significance and generalization.
- 2. Impact of Redemption and Contamination on aphasia treatment.
- 3. Investigate the relationship between quality of life and contamination narratives.

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