

“Not that I've become exceptional, but I'm able to make myself understood better”: impact of speech and language therapy on everyday communication in People with Primary Progressive Aphasia and their carers.

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Supplementary Table 1. Post-intervention questionnaire for PwPPA (lvPPA) and their carers

Instruction (for PwPPA)	Instruction (for caregivers):
<i>Please select the option you consider most appropriate for each question. If you have any questions, do not hesitate to contact me. Since completing treatment, how would you rate...</i>	<i>Please answer the following questions with reference to how your family member is today. Since completing language rehabilitation, how would you rate...</i>
1. your ability to name the pictures you worked on?	1. their ability to name the pictures they worked on?
2. your ability to name pictures you did not work on?	2. their ability to name pictures they did not work on?
3. your ability to use in conversation the words you worked on?	3. their ability to use in conversation the words they worked on?
4. your ability to use in conversation words you did not work on?	4. their ability to use in conversation words they did not work on?
5. your ability to spell/write correctly the words you worked on?	5. their ability to spell/write correctly the words they worked on?
6. your ability to spell/write correctly words you did not work on?	6. their ability to spell/write correctly words they did not work on?
7. your ability to describe objects or people when you cannot find the word?	7. their ability to describe objects or people when they cannot find the word?
8. your ability to notice naming errors in your speech?	8. their ability to notice naming errors in their speech?
9. your ability to correct naming errors when they occur?	9. their ability to correct naming errors when they occur?
10. your ability to “get unstuck” when blocked on a word?	10. their ability to “get unstuck” when blocked on a word?
11. your ability to speak using complete sentences?	11. their ability to speak using complete sentences?
12. the overall number of hesitations or pauses while speaking?	12. the overall number of hesitations or pauses while speaking?
13. your overall speaking/communication ability?	13. their overall speaking/communication ability?
14. your stress level during conversation?	14. their stress level during conversation?
15. your confidence when communicating with the person you speak with most (e.g., spouse/partner)?	15. their confidence when communicating with the person they speak with most (e.g., spouse/partner)?
16. your confidence when communicating with familiar people?	16. their confidence when communicating with familiar people?
17. your confidence when communicating with unfamiliar people?	17. their confidence when communicating with unfamiliar people?
18. your frustration level when communicating with the person you speak with most?	18. their frustration level when communicating with the person they speak with most?
19. your frustration level when communicating with familiar people?	19. their frustration level when communicating with familiar people?
20. your frustration level when communicating with unfamiliar people?	20. their frustration level when communicating with unfamiliar people?
21. how comfortable you feel overall when speaking?	21. how comfortable they feel overall when speaking?

22. Please select the ways in which your approach to communication is different now compared with before treatment (more than one response may be selected if needed).	22. Please select the ways in which your family member's approach to communication is different now compared with before treatment (more than one response may be selected if needed).
23. Please describe how you think the treatment sessions were helpful.	23. Please describe how you think the treatment sessions were helpful for your family member.
24. Please describe in what ways the rehabilitation carried out has improved your situation.	24. Please describe in what ways language rehabilitation may have led to improvement.

English translation of questions included. Question 1-22 multiple choices, questions 23-24 open-end questions used for thematic analysis. Materials were adapted for the Italian language and extended from Henry et al., 2019 and Henry et al., 2018.

Supplementary Table 2. Post-intervention questionnaire for PwPPA (nfvPPA) and their carers

<i>Instruction (for PwPPA)</i>	<i>Instruction (for caregivers):</i>
<i>Please select the option you consider most appropriate for each question. If you have any questions, do not hesitate to contact me. Since completing treatment, how would you rate...</i>	<i>Please answer the following questions with reference to how your family member is today. Since completing language rehabilitation, how would you rate...</i>
1. your ability to speak fluently and without errors in the practiced scripts (videos)?	1. their ability to speak fluently and without errors in the practiced scripts (videos)?
2. your ability to speak fluently and without errors in everyday conversations?	2. their ability to speak fluently and without errors in everyday conversations?
3. your ability to formulate complete sentences, using more grammatically correct words when practicing the scripts?	3. their ability to formulate complete sentences, using more grammatically correct words when practicing the scripts?
4. your ability to formulate complete sentences, using more grammatically correct words in everyday conversations?	4. their ability to formulate complete sentences, using more grammatically correct words in everyday conversations?
5. your ability to articulate the words from the practiced scripts (ability to better produce and articulate the sounds within a word)?	5. their ability to articulate the words from the practiced scripts (ability to better produce and articulate the sounds within a word)?
6. your ability to articulate words during everyday conversations (ability to clearly produce the sounds within a word)?	6. their ability to articulate words during everyday conversations (ability to clearly produce the sounds within a word)?
7. the overall number of hesitations or pauses during the production of the scripts?	7. The overall number of hesitations or pauses during the production of the scripts?
8. the overall number of hesitations or pauses during everyday conversations?	8. The overall number of hesitations or pauses during everyday conversations?
9. your ability to follow and speak along with the video model of the scripts?	9. their ability to follow and speak along with the video model of the scripts?
10. your ability to detect errors while speaking?	10. their ability to detect errors while speaking?
11. your ability to correct their own errors while speaking (when they occur)?	11. their ability to correct their own errors while speaking (when they occur)?

12. your ability to communicate what they are thinking?	12. their ability to communicate what they are thinking?
13. your overall speaking/communication ability?	13. their overall speaking/communication ability?
14. your stress level during conversation?	14. their stress level during conversation?
15. your confidence when communicating with the person you speak with most (e.g., spouse/partner)?	15. their confidence when communicating with the person they speak with most (e.g., spouse/partner)?
16. your confidence when communicating with familiar people?	16. their confidence when communicating with familiar people?
17. your confidence when communicating with unfamiliar people?	17. their confidence when communicating with unfamiliar people?
18. your feeling of frustration when communicating with the person they mainly interact with daily?	18. their feeling of frustration when communicating with the person they mainly interact with daily?
19. your feeling of frustration when communicating with people you know?	19. their feeling of frustration when communicating with people they know?
20. your feeling of frustration during a conversation with people they do not know?	20. their feeling of frustration during a conversation with people they do not know?
21. how comfortable you feel overall when speaking?	21. how comfortable they feel overall when speaking?
22. Please select the ways in which your approach to communication is different now compared with before treatment (more than one response may be selected if needed).	22. Please select the ways in which your family member's approach to communication is different now compared with before treatment (more than one response may be selected if needed).
23. Please describe how you think the treatment sessions were helpful.	23. Please describe how you think the treatment sessions were helpful.
24. Please describe in what ways the rehabilitation carried out has improved your situation	24. Please describe in what ways language rehabilitation may have led to improvement.

English translation of questions included. Question 1-22 multiple choices, questions 23-24 open-end questions used for thematic analysis. Materials were adapted for the Italian language and extended from Henry et al., 2019 and Henry et al., 2018.

Supplementary table 3. PwPPA close questions answers.

Questionnaire responses	PwPPA
How would you rate your ability to name the pictures you worked on or to speak fluently and without errors in the practiced scripts (videos)?	
<i>Much worse</i>	1 (4.00)
<i>Worse</i>	0 (0.00)
<i>Slightly worse</i>	4 (16.00)
<i>Unchanged</i>	4 (16.00)
<i>Slightly better</i>	9 (36.00)
<i>Better</i>	3 (12.00)
<i>Much better</i>	4 (16.00)

Since completing treatment, how would you rate your ability to name the pictures you did not work on or to speak fluently and without errors in everyday conversations?		
<i>Much worse</i>	3	(12.00)
<i>Worse</i>	2	(8.00)
<i>Slightly worse</i>	4	(16.00)
<i>Unchanged</i>	7	(28.00)
<i>Slightly better</i>	5	(20.00)
<i>Better</i>	4	(16.00)
<i>Much better</i>	0	(0.00)
Since completing treatment, how would you rate your ability to use in conversation the words you worked on or to formulate complete sentences, using more grammatically correct words when practicing the scripts?		
<i>Much worse</i>	1	(4.00)
<i>Worse</i>	1	(4.00)
<i>Slightly worse</i>	4	(16.00)
<i>Unchanged</i>	5	(20.00)
<i>Slightly better</i>	7	(28.00)
<i>Better</i>	4	(16.00)
<i>Much better</i>	3	(12.00)
Since completing treatment, how would you rate your ability to use in conversation the words you did not work on or to formulate complete sentences, using more grammatically correct words in everyday conversations?		
<i>Much worse</i>	3	(12.00)
<i>Worse</i>	1	(4.00)
<i>Slightly worse</i>	6	(24.00)
<i>Unchanged</i>	8	(32.00)
<i>Slightly better</i>	5	(20.00)
<i>Better</i>	2	(8.00)
<i>Much better</i>	0	(0.00)
Since completing treatment, how would you rate your ability to spell/write correctly the words you worked on or to articulate the words from the practiced scripts?		
<i>Much worse</i>	2	(8.00)
<i>Worse</i>	1	(4.00)
<i>Slightly worse</i>	2	(8.00)
<i>Unchanged</i>	9	(36.00)
<i>Slightly better</i>	4	(16.00)
<i>Better</i>	4	(16.00)
<i>Much better</i>	3	(12.00)
Since completing treatment, how would you rate your ability to spell/write correctly words you did not work on or to articulate the words during everyday conversations?		
<i>Much worse</i>	3	(12.00)

<i>Worse</i>	3 (12.00)
<i>Slightly worse</i>	2 (8.00)
<i>Unchanged</i>	9 (36.00)
<i>Slightly better</i>	5 (20.00)
<i>Better</i>	3 (12.00)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate your ability to describe objects or people when you cannot find the word or the overall number of hesitations or pauses during the production of the scripts?

<i>Much worse</i>	1 (4.00)
<i>Worse</i>	0 (0.00)
<i>Slightly worse</i>	4 (16.00)
<i>Unchanged</i>	8 (32.00)
<i>Slightly better</i>	5 (20.00)
<i>Better</i>	3 (12.00)
<i>Much better</i>	4 (16.00)

Since completing treatment, how would you rate your ability to notice naming errors in your speech or the overall number of hesitations or pauses during everyday conversations?

<i>Much worse</i>	3 (12.00)
<i>Worse</i>	2 (8.00)
<i>Slightly worse</i>	4 (16.00)
<i>Unchanged</i>	10 (40.00)
<i>Slightly better</i>	3 (12.00)
<i>Better</i>	1 (4.00)
<i>Much better</i>	2 (8.00)

Since completing treatment, how would you rate your ability to correct naming errors when they occur or to follow and speak along with the video model of the scripts?

<i>Much worse</i>	2 (8.00)
<i>Worse</i>	2 (8.00)
<i>Slightly worse</i>	5 (20.00)
<i>Unchanged</i>	6 (24.00)
<i>Slightly better</i>	5 (20.00)
<i>Better</i>	4 (16.00)
<i>Much better</i>	1 (4.00)

Since completing treatment, how would you rate your ability to "get unstuck" when blocked on a word or to detect errors while speaking?

<i>Much worse</i>	3 (12.00)
<i>Worse</i>	1 (4.00)
<i>Slightly worse</i>	5 (20.00)
<i>Unchanged</i>	3 (12.00)
<i>Slightly better</i>	7 (28.00)
<i>Better</i>	4 (16.00)
<i>Much better</i>	2 (8.00)

Since completing treatment, how would you rate your ability to speak using complete sentences or to correct your own errors while speaking (when they occur)?

<i>Much worse</i>	2 (8.00)
<i>Worse</i>	3 (12.00)
<i>Slightly worse</i>	3 (12.00)
<i>Unchanged</i>	10 (40.00)
<i>Slightly better</i>	6 (24.00)
<i>Better</i>	1 (4.00)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate the overall number of hesitations or pauses while speaking or your ability to communicate what they are thinking?

<i>Much worse</i>	2 (8.00)
<i>Worse</i>	3 (12.00)
<i>Slightly worse</i>	2 (8.00)
<i>Unchanged</i>	10 (40.00)
<i>Slightly better</i>	8 (32.00)
<i>Better</i>	0 (0.00)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate your overall speaking/communication ability?

<i>Much worse</i>	2 (8.00)
<i>Worse</i>	3 (12.00)
<i>Slightly worse</i>	2 (8.00)
<i>Unchanged</i>	6 (24.00)
<i>Slightly better</i>	7 (28.00)
<i>Better</i>	5 (20.00)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate your stress level during conversation?

<i>Much worse</i>	2 (8.00)
<i>Worse</i>	3 (12.00)
<i>Slightly worse</i>	3 (12.00)
<i>Unchanged</i>	10 (40.00)
<i>Slightly better</i>	4 (16.00)
<i>Better</i>	2 (8.00)
<i>Much better</i>	1 (4.00)

Since completing treatment, how would you rate your confidence when communicating with the person you speak with most (e.g., spouse/partner)?

<i>Much worse</i>	3 (12.00)
<i>Worse</i>	3 (12.00)
<i>Slightly worse</i>	2 (8.00)
<i>Unchanged</i>	8 (32.00)
<i>Slightly better</i>	5 (20.00)
<i>Better</i>	3 (12.00)
<i>Much better</i>	1 (4.00)

Since completing treatment, how would you rate your confidence when communicating with familiar people?		
<i>Much worse</i>	1	(4.00)
<i>Worse</i>	5	(20.00)
<i>Slightly worse</i>	2	(8.00)
<i>Unchanged</i>	8	(32.00)
<i>Slightly better</i>	5	(20.00)
<i>Better</i>	4	(16.00)
<i>Much better</i>	0	(0.00)
Since completing treatment, how would you rate your confidence when communicating with unfamiliar people?		
<i>Much worse</i>	1	(4.00)
<i>Worse</i>	1	(4.00)
<i>Slightly worse</i>	6	(24.00)
<i>Unchanged</i>	9	(36.00)
<i>Slightly better</i>	4	(16.00)
<i>Better</i>	3	(12.00)
<i>Much better</i>	1	(4.00)
Since completing treatment, how would you rate your feeling of frustration when communicating with the person they mainly interact with daily?		
<i>Much worse</i>	3	(12.00)
<i>Worse</i>	3	(12.00)
<i>Slightly worse</i>	3	(12.00)
<i>Unchanged</i>	8	(32.00)
<i>Slightly better</i>	3	(12.00)
<i>Better</i>	3	(12.00)
<i>Much better</i>	2	(8.00)
Since completing treatment, how would you rate your feeling of frustration when communicating with people you know?		
<i>Much worse</i>	0	(0.00)
<i>Worse</i>	3	(12.00)
<i>Slightly worse</i>	4	(16.00)
<i>Unchanged</i>	8	(32.00)
<i>Slightly better</i>	6	(24.00)
<i>Better</i>	2	(8.00)
<i>Much better</i>	2	(8.00)
Since completing treatment, how would you rate your feeling of frustration during a conversation with people they do not know?		
<i>Much worse</i>	2	(8.00)
<i>Worse</i>	3	(12.00)
<i>Slightly worse</i>	3	(12.00)
<i>Unchanged</i>	11	(44.00)
<i>Slightly better</i>	5	(20.00)
<i>Better</i>	1	(4.00)
<i>Much better</i>	0	(0.00)

Since completing treatment, how would you rate how comfortable you feel overall when speaking?		
<i>Much worse</i>	3	(12.00)
<i>Worse</i>	4	(16.00)
<i>Slightly worse</i>	2	(8.00)
<i>Unchanged</i>	7	(28.00)
<i>Slightly better</i>	5	(20.00)
<i>Better</i>	4	(16.00)
<i>Much better</i>	0	(0.00)

Supplementary Table 4. Carers close question answers

Questionnaire responses	Carers
How would you rate their ability to name the pictures you worked on or to speak fluently and without errors in the practiced scripts (videos)?	
<i>Much worse</i>	1 (4.20)
<i>Worse</i>	1 (4.20)
<i>Slightly worse</i>	3 (12.50)
<i>Unchanged</i>	8 (33.30)
<i>Slightly better</i>	10 (41.70)
<i>Better</i>	0 (0.00)
<i>Much better</i>	1 (4.20)
Since completing treatment, how would you rate their ability to name the pictures you did not work on or to speak fluently and without errors in everyday conversations?	
<i>Much worse</i>	3 (12.50)
<i>Worse</i>	5 (20.80)
<i>Slightly worse</i>	5 (20.80)
<i>Unchanged</i>	9 (37.50)
<i>Slightly better</i>	1 (4.20)
<i>Better</i>	1 (4.20)
<i>Much better</i>	0 (0.00)
Since completing treatment, how would you rate their ability to use in conversation the words you worked on or to formulate complete sentences, using more grammatically correct words when practicing the scripts?	
<i>Much worse</i>	1 (4.20)
<i>Worse</i>	5 (20.80)
<i>Slightly worse</i>	5 (20.80)
<i>Unchanged</i>	5 (20.80)
<i>Slightly better</i>	5 (20.80)
<i>Better</i>	2 (8.30)
<i>Much better</i>	1 (4.20)
Since completing treatment, how would you rate their ability to use in conversation the words you did not work on or to formulate complete sentences, using more	

grammatically correct words in everyday conversations?

<i>Much worse</i>	3 (12.50)
<i>Worse</i>	4 (16.70)
<i>Slightly worse</i>	5 (20.80)
<i>Unchanged</i>	9 (37.50)
<i>Slightly better</i>	2 (8.30)
<i>Better</i>	1 (4.20)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate their ability to spell/write correctly the words you worked on or to articulate the words from the practiced scripts?

<i>Much worse</i>	1 (4.20)
<i>Worse</i>	2 (8.30)
<i>Slightly worse</i>	6 (25.00)
<i>Unchanged</i>	8 (33.30)
<i>Slightly better</i>	4 (16.70)
<i>Better</i>	1 (4.20)
<i>Much better</i>	2 (8.30)

Since completing treatment, how would you rate their ability to spell/write correctly words you did not work on or to articulate the words during everyday conversations?

<i>Much worse</i>	4 (16.70)
<i>Worse</i>	4 (16.70)
<i>Slightly worse</i>	3 (12.50)
<i>Unchanged</i>	9 (37.50)
<i>Slightly better</i>	3 (12.50)
<i>Better</i>	1 (4.20)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate their ability to describe objects or people when you cannot find the word or the overall number of hesitations or pauses during the production of the scripts?

<i>Much worse</i>	2 (8.30)
<i>Worse</i>	0 (0.00)
<i>Slightly worse</i>	8 (33.30)
<i>Unchanged</i>	6 (25.00)
<i>Slightly better</i>	5 (20.80)
<i>Better</i>	1 (4.20)
<i>Much better</i>	2 (8.30)

Since completing treatment, how would you rate their ability to notice naming errors in their speech or the overall number of hesitations or pauses during everyday conversations?

<i>Much worse</i>	6 (25.00)
<i>Worse</i>	2 (8.30)
<i>Slightly worse</i>	4 (16.70)
<i>Unchanged</i>	6 (25.00)

<i>Slightly better</i>	4 (16.70)
<i>Better</i>	2 (8.30)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate their ability to correct naming errors when they occur or to follow and speak along with the video model of the scripts?

<i>Much worse</i>	2 (8.30)
<i>Worse</i>	3 (12.50)
<i>Slightly worse</i>	3 (12.50)
<i>Unchanged</i>	10 (41.70)
<i>Slightly better</i>	5 (20.80)
<i>Better</i>	1 (4.20)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate their ability to "get unstuck" when blocked on a word or to detect errors while speaking?

<i>Much worse</i>	4 (16.70)
<i>Worse</i>	4 (16.70)
<i>Slightly worse</i>	3 (12.50)
<i>Unchanged</i>	4 (16.70)
<i>Slightly better</i>	7 (29.20)
<i>Better</i>	1 (4.20)
<i>Much better</i>	1 (4.20)

Since completing treatment, how would you rate their ability to speak using complete sentences or to correct their own errors while speaking (when they occur)?

<i>Much worse</i>	4 (16.70)
<i>Worse</i>	4 (16.70)
<i>Slightly worse</i>	4 (16.70)
<i>Unchanged</i>	7 (29.20)
<i>Slightly better</i>	3 (12.50)
<i>Better</i>	2 (8.30)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate the overall number of hesitations or pauses while speaking or their ability to communicate what they are thinking?

<i>Much worse</i>	4 (16.70)
<i>Worse</i>	5 (20.80)
<i>Slightly worse</i>	2 (8.30)
<i>Unchanged</i>	8 (33.30)
<i>Slightly better</i>	0 (0.00)
<i>Better</i>	0 (0.00)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate their overall speaking/communication ability?

<i>Much worse</i>	3 (12.50)
<i>Worse</i>	6 (25.00)

<i>Slightly worse</i>	2 (8.30)
<i>Unchanged</i>	6 (25.00)
<i>Slightly better</i>	4 (16.70)
<i>Better</i>	2 (8.30)
<i>Much better</i>	1 (4.20)

Since completing treatment, how would you rate their stress level during conversation?

<i>Much worse</i>	5 (20.80)
<i>Worse</i>	3 (12.50)
<i>Slightly worse</i>	1 (4.20)
<i>Unchanged</i>	8 (33.30)
<i>Slightly better</i>	4 (16.70)
<i>Better</i>	3 (12.50)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate their confidence when communicating with the person you speak with most (e.g., spouse/partner)?

<i>Much worse</i>	4 (16.70)
<i>Worse</i>	5 (20.80)
<i>Slightly worse</i>	2 (8.30)
<i>Unchanged</i>	5 (20.80)
<i>Slightly better</i>	4 (16.70)
<i>Better</i>	4 (16.70)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate their confidence when communicating with familiar people?

<i>Much worse</i>	3 (12.50)
<i>Worse</i>	4 (16.70)
<i>Slightly worse</i>	3 (12.50)
<i>Unchanged</i>	6 (25.00)
<i>Slightly better</i>	5 (20.80)
<i>Better</i>	3 (12.50)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate their confidence when communicating with unfamiliar people?

<i>Much worse</i>	4 (16.70)
<i>Worse</i>	3 (12.50)
<i>Slightly worse</i>	3 (12.50)
<i>Unchanged</i>	8 (33.30)
<i>Slightly better</i>	3 (12.50)
<i>Better</i>	3 (12.50)
<i>Much better</i>	0 (0.00)

Since completing treatment, how would you rate their feeling of frustration when communicating with the person they mainly interact with daily?

<i>Much worse</i>	4 (16.70)
<i>Worse</i>	5 (20.80)
<i>Slightly worse</i>	1 (4.20)

	<i>Unchanged</i>	6 (25.00)
	<i>Slightly better</i>	5 (20.80)
	<i>Better</i>	3 (12.50)
	<i>Much better</i>	0 (0.00)
Since completing treatment, how would you rate their feeling of frustration when communicating with people you know?		
	<i>Much worse</i>	1 (4.20)
	<i>Worse</i>	5 (20.80)
	<i>Slightly worse</i>	4 (16.70)
	<i>Unchanged</i>	6 (25.00)
	<i>Slightly better</i>	5 (20.80)
	<i>Better</i>	3 (12.50)
	<i>Much better</i>	0 (0.00)
Since completing treatment, how would you rate their feeling of frustration during a conversation with people they do not know?		
	<i>Much worse</i>	2 (8.30)
	<i>Worse</i>	6 (25.00)
	<i>Slightly worse</i>	2 (8.30)
	<i>Unchanged</i>	8 (33.30)
	<i>Slightly better</i>	3 (12.50)
	<i>Better</i>	2 (8.30)
	<i>Much better</i>	1 (4.20)
Since completing treatment, how would you rate how comfortable you feel overall when speaking?		
	<i>Much worse</i>	4 (16.70)
	<i>Worse</i>	5 (20.80)
	<i>Slightly worse</i>	2 (8.30)
	<i>Unchanged</i>	5 (20.80)
	<i>Slightly better</i>	4 (16.70)
	<i>Better</i>	4 (16.70)
	<i>Much better</i>	0 (0.00)

Supplementary Table 5. Comparisons between carers and PwPPA close question answers.

Questionnaire responses	Carers	People with PPA	p-value
How would you rate your/their ability to name the pictures you worked on or to speak fluently and without errors in the practiced scripts (videos)?			0.31
<i>Much worse</i>	1 (4.20)	1 (4.00)	
<i>Worse</i>	1 (4.20)	0 (0.00)	
<i>Slightly worse</i>	3 (12.50)	4 (16.00)	
<i>Unchanged</i>	8 (33.30)	4 (16.00)	
<i>Slightly better</i>	10 (41.70)	9 (36.00)	
<i>Better</i>	0 (0.00)	3 (12.00)	
<i>Much better</i>	1 (4.20)	4 (16.00)	

Since completing treatment, how would you rate your/their ability to name the pictures you did not work on or to speak fluently and without errors in everyday conversations?			0.33
<i>Much worse</i>	3 (12.50)	3 (12.00)	
<i>Worse</i>	5 (20.80)	2 (8.00)	
<i>Slightly worse</i>	5 (20.80)	4 (16.00)	
<i>Unchanged</i>	9 (37.50)	7 (28.00)	
<i>Slightly better</i>	1 (4.20)	5 (20.00)	
<i>Better</i>	1 (4.20)	4 (16.00)	
<i>Much better</i>	0 (0.00)	0 (0.00)	
Since completing treatment, how would you rate your/their ability to use in conversation the words you worked on or to formulate complete sentences, using more grammatically correct words when practicing the scripts?			0.60
<i>Much worse</i>	1 (4.20)	1 (4.00)	
<i>Worse</i>	5 (20.80)	1 (4.00)	
<i>Slightly worse</i>	5 (20.80)	4 (16.00)	
<i>Unchanged</i>	5 (20.80)	5 (20.00)	
<i>Slightly better</i>	5 (20.80)	7 (28.00)	
<i>Better</i>	2 (8.30)	4 (16.00)	
<i>Much better</i>	1 (4.20)	3 (12.00)	
Since completing treatment, how would you rate your/their ability to use in conversation the words you did not work on or to formulate complete sentences, using more grammatically correct words in everyday conversations?			0.67
<i>Much worse</i>	3 (12.50)	3 (12.00)	
<i>Worse</i>	4 (16.70)	1 (4.00)	
<i>Slightly worse</i>	5 (20.80)	6 (24.00)	
<i>Unchanged</i>	9 (37.50)	8 (32.00)	
<i>Slightly better</i>	2 (8.30)	5 (20.00)	
<i>Better</i>	1 (4.20)	2 (8.00)	
<i>Much better</i>	0 (0.00)	0 (0.00)	
Since completing treatment, how would you rate your/their ability to spell/write correctly the words you worked on or to articulate the words from the practiced scripts?			0.62
<i>Much worse</i>	1 (4.20)	2 (8.00)	
<i>Worse</i>	2 (8.30)	1 (4.00)	
<i>Slightly worse</i>	6 (25.00)	2 (8.00)	
<i>Unchanged</i>	8 (33.30)	9 (36.00)	
<i>Slightly better</i>	4 (16.70)	4 (16.00)	
<i>Better</i>	1 (4.20)	4 (16.00)	
<i>Much better</i>	2 (8.30)	3 (12.00)	

Since completing treatment, how would you rate your/their ability to spell/write correctly words you did not work on or to articulate the words during everyday conversations?			0.89
<i>Much worse</i>	4 (16.70)	3 (12.00)	
<i>Worse</i>	4 (16.70)	3 (12.00)	
<i>Slightly worse</i>	3 (12.50)	2 (8.00)	
<i>Unchanged</i>	9 (37.50)	9 (36.00)	
<i>Slightly better</i>	3 (12.50)	5 (20.00)	
<i>Better</i>	1 (4.20)	3 (12.00)	
<i>Much better</i>	0 (0.00)	0 (0.00)	
Since completing treatment, how would you rate your/their ability to describe objects or people when you cannot find the word or the overall number of hesitations or pauses during the production of the scripts?			0.64
<i>Much worse</i>	2 (8.30)	1 (4.00)	
<i>Worse</i>	0 (0.00)	0 (0.00)	
<i>Slightly worse</i>	8 (33.30)	4 (16.00)	
<i>Unchanged</i>	6 (25.00)	8 (32.00)	
<i>Slightly better</i>	5 (20.80)	5 (20.00)	
<i>Better</i>	1 (4.20)	3 (12.00)	
<i>Much better</i>	2 (8.30)	4 (16.00)	
Since completing treatment, how would you rate your/their ability to notice naming errors in your/their speech or the overall number of hesitations or pauses during everyday conversations?			0.69
<i>Much worse</i>	6 (25.00)	3 (12.00)	
<i>Worse</i>	2 (8.30)	2 (8.00)	
<i>Slightly worse</i>	4 (16.70)	4 (16.00)	
<i>Unchanged</i>	6 (25.00)	10 (40.00)	
<i>Slightly better</i>	4 (16.70)	3 (12.00)	
<i>Better</i>	2 (8.30)	1 (4.00)	
<i>Much better</i>	0 (0.00)	2 (8.00)	
Since completing treatment, how would you rate your/their ability to correct naming errors when they occur or to follow and speak along with the video model of the scripts?			0.67
<i>Much worse</i>	2 (8.30)	2 (8.00)	
<i>Worse</i>	3 (12.50)	2 (8.00)	
<i>Slightly worse</i>	3 (12.50)	5 (20.00)	
<i>Unchanged</i>	10 (41.70)	6 (24.00)	
<i>Slightly better</i>	5 (20.80)	5 (20.00)	
<i>Better</i>	1 (4.20)	4 (16.00)	
<i>Much better</i>	0 (0.00)	1 (4.00)	
Since completing treatment, how would you rate your/their ability to "get unstuck" when blocked on a			0.62

word or to detect errors while speaking?			
<i>Much worse</i>	4 (16.70)	3 (12.00)	
<i>Worse</i>	4 (16.70)	1 (4.00)	
<i>Slightly worse</i>	3 (12.50)	5 (20.00)	
<i>Unchanged</i>	4 (16.70)	3 (12.00)	
<i>Slightly better</i>	7 (29.20)	7 (28.00)	
<i>Better</i>	1 (4.20)	4 (16.00)	
<i>Much better</i>	1 (4.20)	2 (8.00)	
Since completing treatment, how would you rate your/their ability to speak using complete sentences or to correct your/their own errors while speaking (when they occur)?			0.76
<i>Much worse</i>	4 (16.70)	2 (8.00)	
<i>Worse</i>	4 (16.70)	3 (12.00)	
<i>Slightly worse</i>	4 (16.70)	3 (12.00)	
<i>Unchanged</i>	7 (29.20)	10 (40.00)	
<i>Slightly better</i>	3 (12.50)	6 (24.00)	
<i>Better</i>	2 (8.30)	1 (4.00)	
<i>Much better</i>	0 (0.00)	0 (0.00)	
Since completing treatment, how would you rate the overall number of hesitations or pauses while speaking or your/their ability to communicate what they are thinking?			0.39
<i>Much worse</i>	4 (16.70)	2 (8.00)	
<i>Worse</i>	5 (20.80)	3 (12.00)	
<i>Slightly worse</i>	2 (8.30)	2 (8.00)	
<i>Unchanged</i>	8 (33.30)	10 (40.00)	
<i>Slightly better</i>	0 (0.00)	8 (32.00)	
<i>Better</i>	0 (0.00)	0 (0.00)	
<i>Much better</i>	0 (0.00)	0 (0.00)	
Since completing treatment, how would you rate your/their overall speaking/communication ability?			0.69
<i>Much worse</i>	3 (12.50)	2 (8.00)	
<i>Worse</i>	6 (25.00)	3 (12.00)	
<i>Slightly worse</i>	2 (8.30)	2 (8.00)	
<i>Unchanged</i>	6 (25.00)	6 (24.00)	
<i>Slightly better</i>	4 (16.70)	7 (28.00)	
<i>Better</i>	2 (8.30)	5 (20.00)	
<i>Much better</i>	1 (4.20)	0 (0.00)	
Since completing treatment, how would you rate your/their stress level during conversation?			0.80
<i>Much worse</i>	5 (20.80)	2 (8.00)	
<i>Worse</i>	3 (12.50)	3 (12.00)	
<i>Slightly worse</i>	1 (4.20)	3 (12.00)	
<i>Unchanged</i>	8 (33.30)	10 (40.00)	
<i>Slightly better</i>	4 (16.70)	4 (16.00)	
<i>Better</i>	3 (12.50)	2 (8.00)	

<i>Much better</i>	0 (0.00)	1 (4.00)	
Since completing treatment, how would you rate your/their confidence when communicating with the person you speak with most (e.g., spouse/partner)?			0.93
<i>Much worse</i>	4 (16.70)	3 (12.00)	
<i>Worse</i>	5 (20.80)	3 (12.00)	
<i>Slightly worse</i>	2 (8.30)	2 (8.00)	
<i>Unchanged</i>	5 (20.80)	8 (32.00)	
<i>Slightly better</i>	4 (16.70)	5 (20.00)	
<i>Better</i>	4 (16.70)	3 (12.00)	
<i>Much better</i>	0 (0.00)	1 (4.00)	
Since completing treatment, how would you rate your/their confidence when communicating with familiar people?			0.93
<i>Much worse</i>	3 (12.50)	1 (4.00)	
<i>Worse</i>	4 (16.70)	5 (20.00)	
<i>Slightly worse</i>	3 (12.50)	2 (8.00)	
<i>Unchanged</i>	6 (25.00)	8 (32.00)	
<i>Slightly better</i>	5 (20.80)	5 (20.00)	
<i>Better</i>	3 (12.50)	4 (16.00)	
<i>Much better</i>	0 (0.00)	0 (0.00)	
Since completing treatment, how would you rate your/their confidence when communicating with unfamiliar people?			0.59
<i>Much worse</i>	4 (16.70)	1 (4.00)	
<i>Worse</i>	3 (12.50)	1 (4.00)	
<i>Slightly worse</i>	3 (12.50)	6 (24.00)	
<i>Unchanged</i>	8 (33.30)	9 (36.00)	
<i>Slightly better</i>	3 (12.50)	4 (16.00)	
<i>Better</i>	3 (12.50)	3 (12.00)	
<i>Much better</i>	0 (0.00)	1 (4.00)	
Since completing treatment, how would you rate your/their feeling of frustration when communicating with the person they mainly interact with daily?			0.72
<i>Much worse</i>	4 (16.70)	3 (12.00)	
<i>Worse</i>	5 (20.80)	3 (12.00)	
<i>Slightly worse</i>	1 (4.20)	3 (12.00)	
<i>Unchanged</i>	6 (25.00)	8 (32.00)	
<i>Slightly better</i>	5 (20.80)	3 (12.00)	
<i>Better</i>	3 (12.50)	3 (12.00)	
<i>Much better</i>	0 (0.00)	2 (8.00)	
Since completing treatment, how would you rate your/their feeling of frustration when communicating with people you know?			0.81
<i>Much worse</i>	1 (4.20)	0 (0.00)	

<i>Worse</i>	5 (20.80)	3 (12.00)
<i>Slightly worse</i>	4 (16.70)	4 (16.00)
<i>Unchanged</i>	6 (25.00)	8 (32.00)
<i>Slightly better</i>	5 (20.80)	6 (24.00)
<i>Better</i>	3 (12.50)	2 (8.00)
<i>Much better</i>	0 (0.00)	2 (8.00)

Since completing treatment, how
would you rate your/their feeling of
frustration during a conversation with
people they do not know? 0.81

<i>Much worse</i>	2 (8.30)	2 (8.00)
<i>Worse</i>	6 (25.00)	3 (12.00)
<i>Slightly worse</i>	2 (8.30)	3 (12.00)
<i>Unchanged</i>	8 (33.30)	11 (44.00)
<i>Slightly better</i>	3 (12.50)	5 (20.00)
<i>Better</i>	2 (8.30)	1 (4.00)
<i>Much better</i>	1 (4.20)	0 (0.00)

Since completing treatment, how
would you rate how comfortable you
feel overall when speaking? 0.99

<i>Much worse</i>	4 (16.70)	3 (12.00)
<i>Worse</i>	5 (20.80)	4 (16.00)
<i>Slightly worse</i>	2 (8.30)	2 (8.00)
<i>Unchanged</i>	5 (20.80)	7 (28.00)
<i>Slightly better</i>	4 (16.70)	5 (20.00)
<i>Better</i>	4 (16.70)	4 (16.00)
<i>Much better</i>	0 (0.00)	0 (0.00)
