

**Supplemental Material S1.** Survey instrument.

**Instructions for Version A [or Version B]:** You will be asked to listen to 20 [or 10] different speech samples and to rate each of them on several dimensions. We expect this to take about 1 and a half hours [or 45 minutes] in total (samples vary in length, averaging about 3 minutes each). You may stop and start the survey if you need to, but we request that you complete all the samples within two weeks.

Please make sure you are in a quiet environment with minimal distractions. Ideally, you should listen to the samples over headphones. You will be able to play the sample as many times as you like, and to rate the sample as you listen. However, once you finish rating a sample and move on to the next one, you will not be able to go back to modify your responses to the previous samples.

<b>ID</b>		
Standard Attributes	Label Type	ID
		Numeric
<b>Recorded_date</b>		
Standard Attributes	Label Type	Recorded Date
		Numeric
<b>Q1</b>		
Standard Attributes	Label Type	<b>How old are you?</b>
		Numeric
Valid Values	1	20-30
	2	31-40
	3	41-50
	4	51-60
	5	61-70
	6	71-80
	7	81-90
	9	Prefer not to answer
<b>Q2</b>		
Standard Attributes	Label Type	<b>What is the highest level of education have you completed?</b>
		Numeric
Valid Values	1	BA/BS degree
	2	MA/MS degree
	3	PhD
	8	Other (please specify)
	Type	String
	9	Prefer not to answer
<b>Q4</b>		
Standard Attributes	Label Type	<b>What kind of facility do you work in?</b>
		Numeric
Valid Values	1	acute-care hospital
	2	rehab facility
	3	long-term care facility
	4	private practice
	5	university clinic
	8	other (please specify)
	Type	String
<b>Q5</b>		
Standard Attributes	Label Type	<b>How long have you been practicing as a certified speech-language pathologist?</b>
		Numeric

Valid Values	1	< 1 year
	2	1-5 years
	3	5-10 years
	4	10-20 years
	5	> 20 years
	8	other (please explain)
Type		String

#### Q6

Standard Attributes	Label	<b>Approximately what proportion of your caseload consists of individuals with aphasia?</b>
	Type	Numeric
Valid Values	1	1-20%
	2	21-40%
	3	41-60%
	4	61-80%
	5	81-100%
	8	other (please explain)
Type		String

#### Q7

Standard Attributes	Label	<b>Approximately how many individuals with aphasia have you interacted with in a professional capacity?</b>
	Type	Numeric
Valid Values	1	1-9
	2	10-20
	3	21-50
	4	51-100
	5	>100
	8	other (please explain)
Type		String

#### Practice\_a

Standard Attributes	Label	<b>How fluent is the speaker during this sample?</b>
	Type	Numeric
Valid Values	0	Very nonfluent
	100	Hyperfluent
	999	Unable to judge

#### Practice\_b

Standard Attributes	Label	<b>How slow is the speaker's rate of speech during this sample?</b>
	Type	Numeric
Labeled Values	0	Very slow
	100	Abnormally fast rate
	999	Unable to judge

#### Practice\_c

Standard Attributes	Label	<b>How much of the sample consists of pauses?</b>
	Type	Numeric
Valid Values	0	A large proportion
	100	A normal proportion
	999	Unable to judge

**Practice\_d**

Standard	Label	<b>How effortful is the speaker's articulation during this sample?</b>
Attributes	Type	Numeric
Labeled	0	Very effortful
Values	100	Not effortful at all
	999	Unable to judge

**Practice\_e**

Standard	Label	<b>How restricted is the speaker's melodic line or intonational contour during this sample?</b>
Attributes	Type	Numeric
Valid	0	Very limited
Values	100	Normal variability
	999	Unable to judge

**Practice\_f**

Standard	Label	<b>How restricted is the speaker's typical phrase length during this sample?</b>
Attributes	Type	Numeric
Labeled	0	Very limited
Values	100	Normal variability
	999	Unable to judge

**Practice\_g**

Standard	Label	<b>How grammatical is the speaker during this sample?</b>
Attributes	Type	Numeric
Valid	0	Very agrammatic
Values	100	Normally grammatical
	999	Unable to judge

**Practice\_h**

Standard	Label	<b>How limited is the speaker's word retrieval during this sample?</b>
Attributes	Type	Numeric
Valid	0	Very limited
Values	100	No limitation
	999	Unable to judge

*(Same 8 questions repeated for 20 [or 10] samples)*

**Q8**

Standard	Label	<b>In the clinic, how would you usually measure or assess fluency in aphasia?</b>
Attributes	Type	Numeric
Valid	1	by calculating speech rate
Values	2	by calculating phrase length
	3	by measuring some aspect(s) of grammatical competence
	4	by assessing articulatory effort
	5	by measuring word retrieval abilities
	6	by using the WAB Spontaneous Speech Scores
	7	by making a subjective judgement based on one or more of the above dimensions
	8	other (please specify)
	Type	String
Valid	9	I don't measure or assess fluency
Values		

**Q9: Of the methods you selected above, please rank them in order of importance, starting with 1 as the most important.**

**Q9\_1**

Standard Attributes	Label Type	By calculating speech rate
Valid Values	1	Numeric - Ranking Most important
	2	2nd in importance
	3	3rd in importance
	4	4th in importance
	5	5th in importance
	6	6th in importance
	7	7th in importance
	8	8th in importance

**Q9\_2**

Standard Attributes	Label Type	By calculating phrase length
Valid Values	1	Numeric - Ranking Most important
	2	2nd in importance
	3	3rd in importance
	4	4th in importance
	5	5th in importance
	6	6th in importance
	7	7th in importance
	8	8th in importance

**Q9\_3**

Standard Attributes	Label Type	By measuring some aspect(s) of grammatical competence
Valid Values	1	Numeric - Ranking Most important
	2	2nd in importance
	3	3rd in importance
	4	4th in importance
	5	5th in importance
	6	6th in importance
	7	7th in importance
	8	8th in importance

**Q9\_4**

Standard Attributes	Label Type	By assessing articulatory effort
Valid Values	1	Numeric - Ranking Most important
	2	2nd in importance
	3	3rd in importance
	4	4th in importance
	5	5th in importance
	6	6th in importance
	7	7th in importance
	8	8th in importance

### Q9\_5

Standard	Label	
Attributes	Type	<b>By measuring word retrieval abilities</b>
Valid	1	Numeric - Ranking
Values	2	Most important
	3	2nd in importance
	4	3rd in importance
	5	4th in importance
	6	5th in importance
	7	6th in importance
	8	7th in importance
		8th in importance

### Q9\_6

Standard	Label	
Attributes	Type	<b>By using the WAB Spontaneous Speech Scores</b>
Valid	1	Numeric - Ranking
Values	2	Most important
	3	2nd in importance
	4	3rd in importance
	5	4th in importance
	6	5th in importance
	7	6th in importance
	8	7th in importance
		8th in importance

### Q9\_7

Standard	Label	
Attributes	Type	<b>By making a subjective judgement based on one or more of the above dimensions</b>
Valid	1	Numeric - Ranking
Values	2	Most important
	3	2nd in importance
	4	3rd in importance
	5	4th in importance
	6	5th in importance
	7	6th in importance
	8	7th in importance
		8th in importance

### Q9\_8

Standard	Label	
Attributes	Type	<b>Other</b>
Valid	1	Numeric - Ranking
Values	2	Most important
	3	2nd in importance
	4	3rd in importance
	5	4th in importance
	6	5th in importance
	7	6th in importance
	8	7th in importance
		8th in importance

**Q10**

Standard	Label	<b>Do you think it is important to develop a more reliable way to measure fluency in aphasia?</b>	
Attributes	Type		Numeric
Valid Values	0 100		Not important at all Very important

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**Q11**

Standard	Label	<b>Please add any suggestions, feedback, or other comments in the box below.</b>
Attributes	Type	

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