Clinician-Driven Recommendations for Revising the CAPE-V

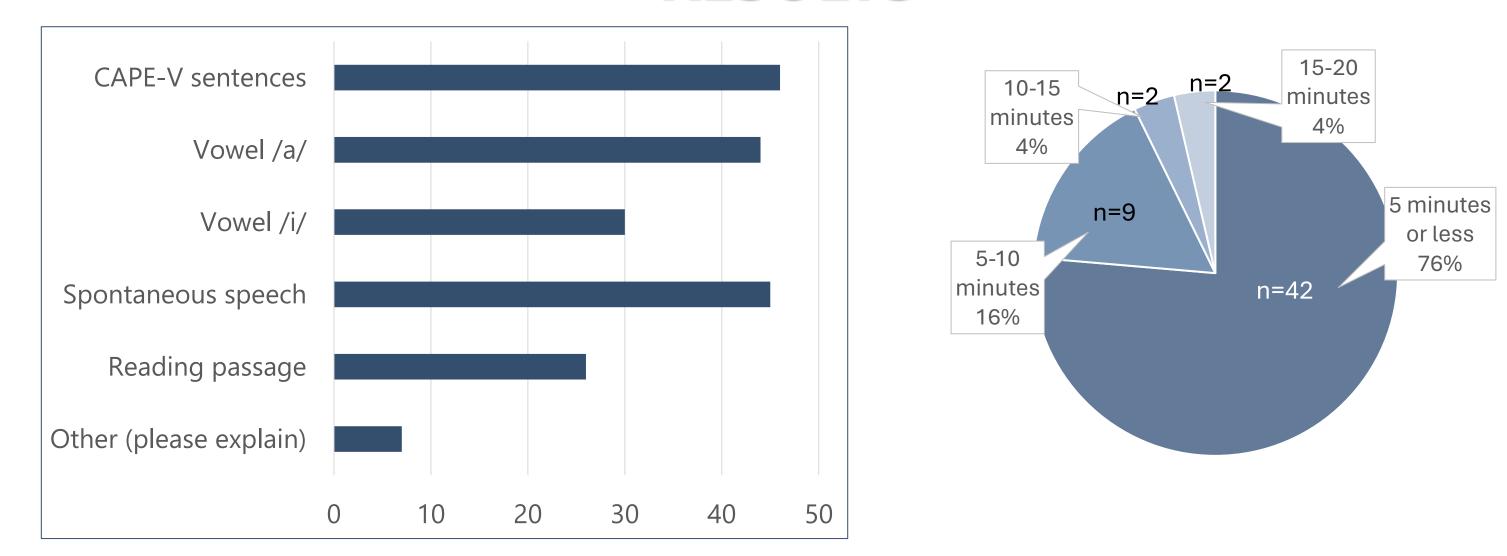
Kathleen F. Nagle¹, Gail Kempster,² & Nancy Pearl Solomon³

¹Seton Hall University; ²Rush University; ³Walter Reed National Military Medical Center



RATIONALE

- The CAPE-V (Kempster et al., 2009) was intended to provide a **standard, brief and reliable protocol** for perceptually evaluating voice quality in both research and clinical settings.
- There is increasing evidence of confusion about some of the characteristics of the instrument and of the protocol itself.
- This study surveyed voice-focused clinicians who regularly use the CAPE-V as part of the process to develop specific recommendations for revisions to the protocol and form.



RESULTS

Figure 1. Frequency counts for use of specific components

Figure 2. Reported time to elicit CAPE-V

stimuli.

METHOD

We created an anonymous **web-based survey** focusing on how experienced clinicians elicit and rate voice stimuli when administering the CAPE-V.

59 individuals initiated the survey; data analysis used descriptive and qualitative methods.



Link to survey & references

reported by participants in a typical administration of the CAPE-V protocol.

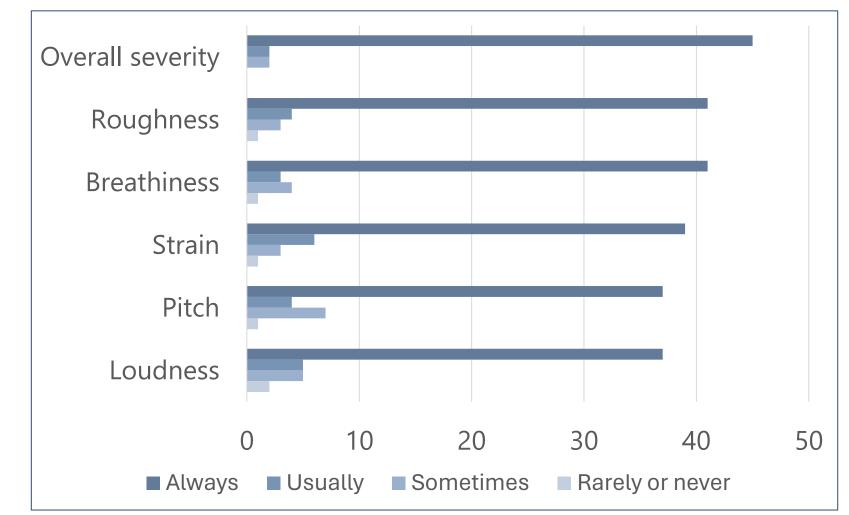


Figure 3. Frequency counts for participants' ratings of the **main voice quality parameters** in the CAPE-V protocol.

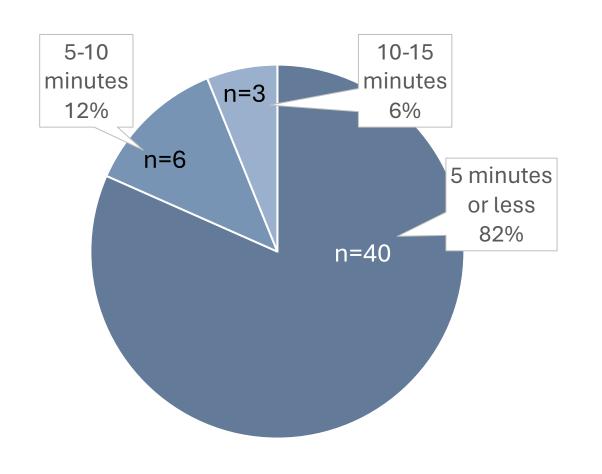


Figure 4. Reported time to complete rating and scoring CAPE-V results.

"If you skip sections of the CAPE-V procedure or stimuli, what is your rationale?"

Theme 1: The scoring protocol is too detailed

- "I do not have 100 different levels of perception for a specific auditory-perceptual construct."
- "I find we are able to rate and assess perceptual qualities without having to follow the entire procedure."

Theme 2: Doing the entire protocol is too timeconsuming

"I complete other PROMs and more objective ratings first, so if I don't have time, I will skip it altogether."

> "I also haven't got time to pull out a ruler and measure my "x" marks."

Theme 3: Stimuli or tasks are irrelevant or overlap with other components of assessment

- > "I find the specific stimuli to be irrelevant and I am not convinced they serve a functionally sound purpose."
- "I skip sentences and reading because spontaneous speech is what I want to change in therapy, So I "cut the fat" and only go with what I'm interested in changing."

"If you could change the CAPE-V, what would you add, revise or remove from the protocol or form?"

Theme 1: Modify the sentences

- "I would change the sentences to be more culturally sensitive and trauma informed."
- > "Many patients incorrectly read 'Peter will keep at the peak."

Theme 3: Clarify the terminology and parameters

Theme 2: Remove or modify tasks

- "There needs to be specific outlined parameters for rating severity."
- "Just do spontaneous speech and take out the sentences and reading passage."

Theme 4: Simplify or automate rating procedures

- > "I think pitch could be reframed to be more relevant."
- "Make it less subjective on severity rating. There needs to be specific outlined parameters for rating severity."
- "Remove VAS and make it an estimate in 10's or categories (mild, mild-mod, mod, mod-severe, severe).
- "An electronic version with sliders that generated a quick text report with numbers."

DISCUSSION

- The CAPE-V has been in circulation for 22 years and has become a commonly-used tool for perceptual assessment of voice quality.
- Over time, users have altered their use of the prescribed stimuli and scoring protocol, and have developed preferences and opinions about its use.
- CAPE-V users' suggestions from surveys and previous studies (Lodhavia & Kempster, 2024; Nagle, 2022) are being used to develop a revised CAPE-V (Kempster et al., in preparation).
- **Changes include** removing the textual markers for severity below the scale lines; rewording of some sentences and adding a sentence; and new, neutral prompts for extemporaneous speech.

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