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## Objective pitch and loudness evaluation for trans and gender-diverse individuals for gender-affirming voice and communication therapy

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# Objective pitch and loudness evaluation for trans and gender-diverse individuals for gender-affirming voice and communication therapy

Dr Sean Pert ('he/him')

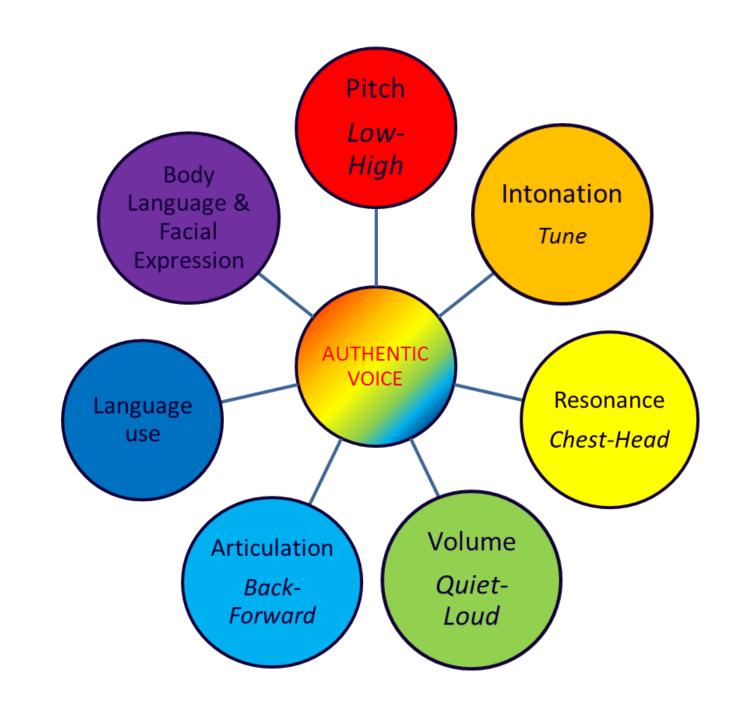
Consultant Speech and Language Therapist

Ellissia Porter ('she/her')
Speech and Language Therapist

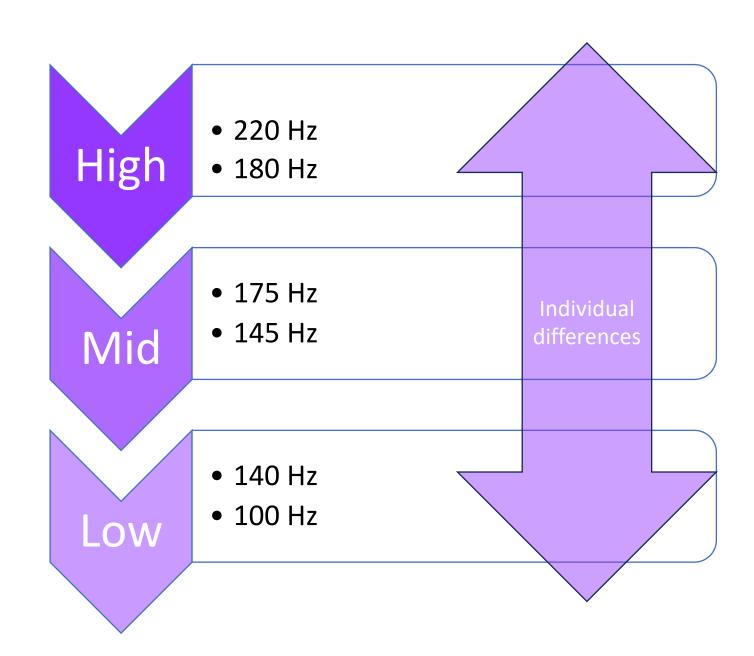
Authentic voice for trans and non-binary people

Mills & Pert, 2023

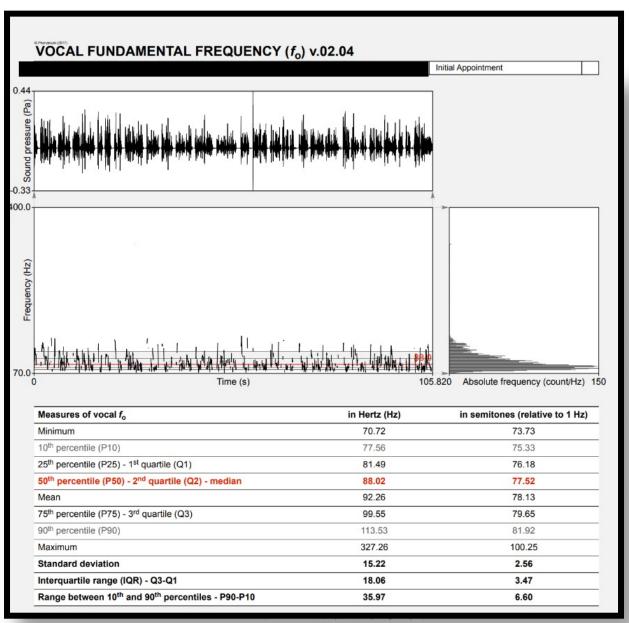
Authenticity of voice should focus on more than just fundamental frequency (Davies et al., 2015)

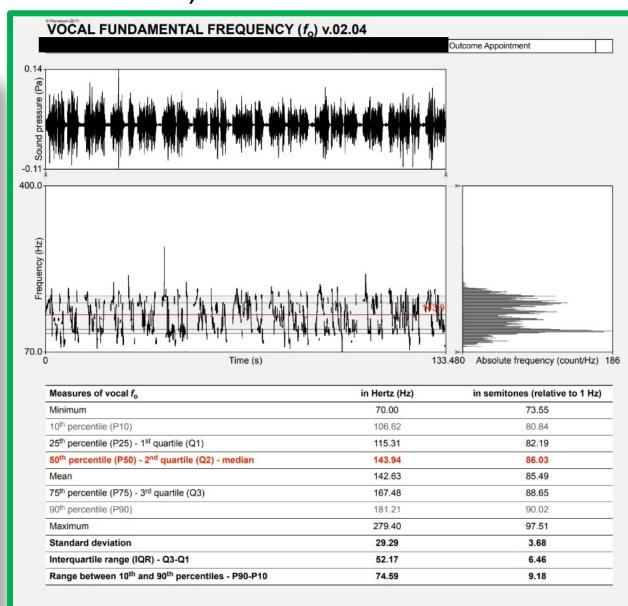


Listener perceptions and Fundamental frequency (f<sub>0</sub>)



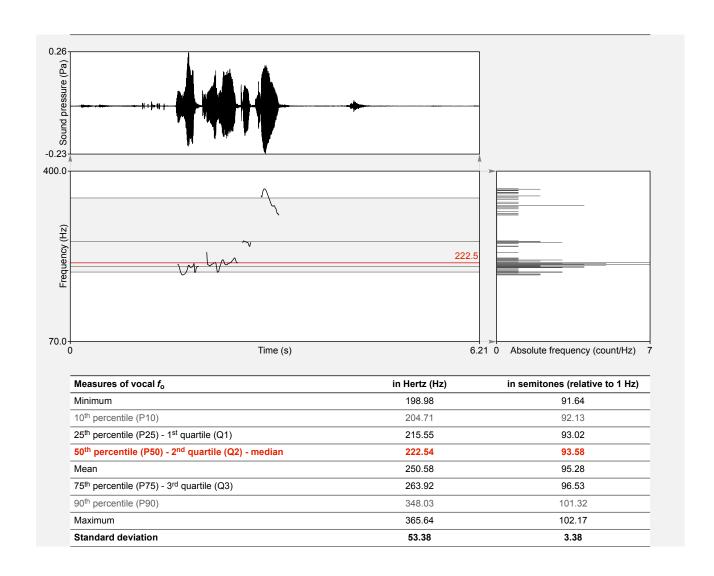
### Voice Evaluation: F<sub>0</sub>, SPL



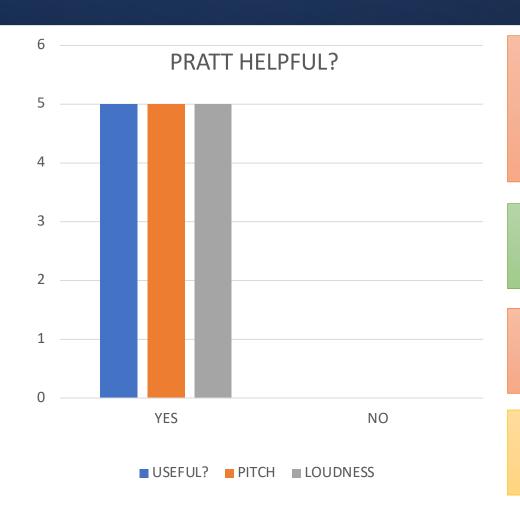


# During therapy: examples and feedback

E.g., Rising intonation



#### Service User Feedback on the use of PRAAT



Yes, it helped visualise what the pitch actually means and some people need visual learning

It helped me understand where my voice Hz at

Helpful in illustrating the impact of different methods / techniques

I'm happy it shows me how breathing can assist with my pitch