Table 1: Study 1: Descriptive Statistics

The target measures for study 1, presented for Male, Female, and all speakers.

|  | All Speakers | | | | Male Speakers | | | | Female Speakers | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HC | | PD | | HC | | PD | | HC | | PD | |
| Measure | M | SD | M | SD | M | SD | M | SD | M | SD | M | SD |
| Perceptual Measures | | | | | | | | | | | | |
| Intelligibility (VAS) | 82.31 | 26.98 | 61.06 | 38.45 | 78.24 | 29.71 | 52.54 | 39.14 | 86.31 | 23.34 | 83.51 | 25.39 |
| Articulatory Precision (VAS) | 76.09 | 27.10 | 53.34 | 35.58 | 68.85 | 30.19 | 44.32 | 34.83 | 83.51 | 21.10 | 77.77 | 24.36 |
| Acoustic Measures | | | | | | | | | | | | |
| Acoustic VSA (kHz^2) | 238.44 | 132.84 | 140.22 | 77.97 | 126.86 | 33.11 | 110.05 | 56.03 | 350.01 | 91.60 | 220.67 | 73.73 |
| Acoustic Distance (Hz) | 532.94 | 224.19 | 518.58 | 254.01 | 419.12 | 128.56 | 440.17 | 221.60 | 649.28 | 241.91 | 732.90 | 211.90 |
| F2 Slope (Hz/ms) | 4.11 | 1.71 | 3.48 | 1.91 | 3.78 | 1.43 | 3.03 | 1.80 | 4.45 | 1.91 | 4.70 | 1.67 |
| Kinematic Measures | | | | | | | | | | | | |
| Kinematic VSA (mm^2) | 50.96 | 22.96 | 55.75 | 32.07 | 58.11 | 27.74 | 56.09 | 36.26 | 43.82 | 15.36 | 54.88 | 20.79 |
| Kinematic Distance (mm) | 11.64 | 3.80 | 10.24 | 5.93 | 11.81 | 3.38 | 9.13 | 6.29 | 11.45 | 4.21 | 13.09 | 3.64 |
| dTB Peak Speed (mm/s) | 177.47 | 84.17 | 159.44 | 77.24 | 188.38 | 102.29 | 150.96 | 83.73 | 166.32 | 59.47 | 181.18 | 52.49 |
| Jaw Peak Speed (mm/s) | 123.30 | 65.19 | 118.72 | 59.11 | 116.61 | 72.90 | 110.21 | 54.88 | 130.13 | 56.25 | 141.98 | 64.77 |