|  | **HC** | | **PD** | | **PD-DBS** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Off** | | **On** | |
| **M** | **SD** | **M** | **SD** | **M** | **SD** | **M** | **SD** |
| **All Speakers** | | | | | | | | |
| Voiced (%) | 65.41 | 10.06 | 76.35 | 7.19 | 67.55 | 20.51 | 67.06 | 20.33 |
| Corner Dispersion (Hz) | 533.18 | 340.14 | 383.25 | 253.40 | 434.05 | 292.16 | 450.69 | 286.73 |
| F2 Slope (Hz/ms) | 5.23 | 1.87 | 3.30 | 0.90 | 3.74 | 1.21 | 3.50 | 1.26 |
| Articulation Rate (syl/s) | 4.30 | 0.40 | 4.84 | 0.82 | 4.73 | 0.79 | 4.90 | 0.90 |
| F0 Variation (Semitone) | 13.74 | 5.14 | 11.13 | 4.73 | 10.13 | 3.66 | 10.72 | 3.61 |
| Intensity Variation (dB) | 34.55 | 1.76 | 33.15 | 2.89 | 28.14 | 6.06 | 28.43 | 6.15 |
| **Female Speakers** | | | | | | | | |
| Voiced (%) | 62.90 | 7.55 | 73.90 | 1.42 | 59.41 | 19.82 | 55.19 | 19.89 |
| Corner Dispersion (Hz) | 590.66 | 365.28 | 552.91 | 301.82 | 525.95 | 369.38 | 559.27 | 318.99 |
| F2 Slope (Hz/ms) | 5.76 | 1.89 | 4.24 | 0.84 | 3.95 | 1.35 | 3.57 | 1.40 |
| Articulation Rate (syl/s) | 4.31 | 0.46 | 4.70 | 0.15 | 3.99 | 0.24 | 4.16 | 0.42 |
| F0 Variation (Semitone) | 14.54 | 5.47 | 10.91 | 5.08 | 11.89 | 4.13 | 12.54 | 4.89 |
| Intensity Variation (dB) | 35.14 | 1.58 | 35.93 | 1.11 | 27.06 | 6.15 | 28.00 | 6.52 |
| **Male Speakers** | | | | | | | | |
| Voiced (%) | 71.70 | 12.74 | 76.67 | 7.57 | 72.42 | 19.51 | 74.18 | 17.15 |
| Corner Dispersion (Hz) | 389.50 | 207.90 | 361.50 | 238.48 | 379.37 | 217.81 | 364.87 | 224.74 |
| F2 Slope (Hz/ms) | 3.92 | 1.02 | 3.13 | 0.81 | 3.53 | 1.03 | 3.46 | 1.17 |
| Articulation Rate (syl/s) | 4.29 | 0.21 | 4.85 | 0.87 | 5.15 | 0.67 | 5.42 | 0.78 |
| F0 Variation (Semitone) | 11.75 | 3.56 | 11.16 | 4.72 | 9.05 | 2.88 | 9.63 | 1.91 |
| Intensity Variation (dB) | 33.08 | 1.25 | 32.79 | 2.86 | 28.79 | 5.98 | 28.69 | 5.96 |