|  | **HC** | | **PD** | | **PD-DBS** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Off** | | **On** | |
| **M** | **SD** | **M** | **SD** | **M** | **SD** | **M** | **SD** |
| **All Speakers** | | | | | | | | |
| Intelligibility (%) | 93.79 | 10.85 | 83.74 | 20.65 | 80.12 | 27.51 | 78.60 | 29.90 |
| Listening Effort (%) | 87.64 | 18.68 | 68.91 | 29.58 | 74.68 | 32.04 | 74.20 | 31.41 |
| Articulatory Precision (%) | 86.16 | 18.20 | 63.32 | 32.21 | 67.29 | 32.82 | 68.85 | 32.68 |
| Voice Quality (%) | 77.23 | 24.05 | 54.57 | 32.31 | 66.17 | 31.70 | 60.94 | 33.27 |
| Prosody (%) | 74.73 | 25.06 | 55.17 | 32.23 | 63.50 | 32.90 | 60.46 | 33.83 |
| **Female Speakers** | | | | | | | | |
| Intelligibility (%) | 93.68 | 11.14 | 88.48 | 14.43 | 91.68 | 13.80 | 90.08 | 15.88 |
| Listening Effort (%) | 89.16 | 17.87 | 60.46 | 26.38 | 82.68 | 24.44 | 82.69 | 24.67 |
| Articulatory Precision (%) | 87.23 | 17.81 | 68.44 | 25.19 | 74.68 | 27.60 | 74.45 | 27.56 |
| Voice Quality (%) | 79.04 | 23.45 | 27.50 | 22.72 | 67.28 | 29.54 | 63.37 | 33.16 |
| Prosody (%) | 77.39 | 23.89 | 54.24 | 28.18 | 64.51 | 30.51 | 63.30 | 31.03 |
| **Male Speakers** | | | | | | | | |
| Intelligibility (%) | 94.11 | 10.01 | 83.19 | 21.22 | 73.90 | 30.88 | 72.39 | 33.70 |
| Listening Effort (%) | 83.56 | 20.34 | 70.05 | 29.87 | 70.35 | 34.80 | 69.29 | 33.84 |
| Articulatory Precision (%) | 83.33 | 19.08 | 62.59 | 33.08 | 63.15 | 34.82 | 65.52 | 35.05 |
| Voice Quality (%) | 72.47 | 25.18 | 57.94 | 31.77 | 65.54 | 32.96 | 59.54 | 33.39 |
| Prosody (%) | 67.78 | 26.91 | 55.28 | 32.76 | 62.97 | 34.20 | 58.85 | 35.34 |