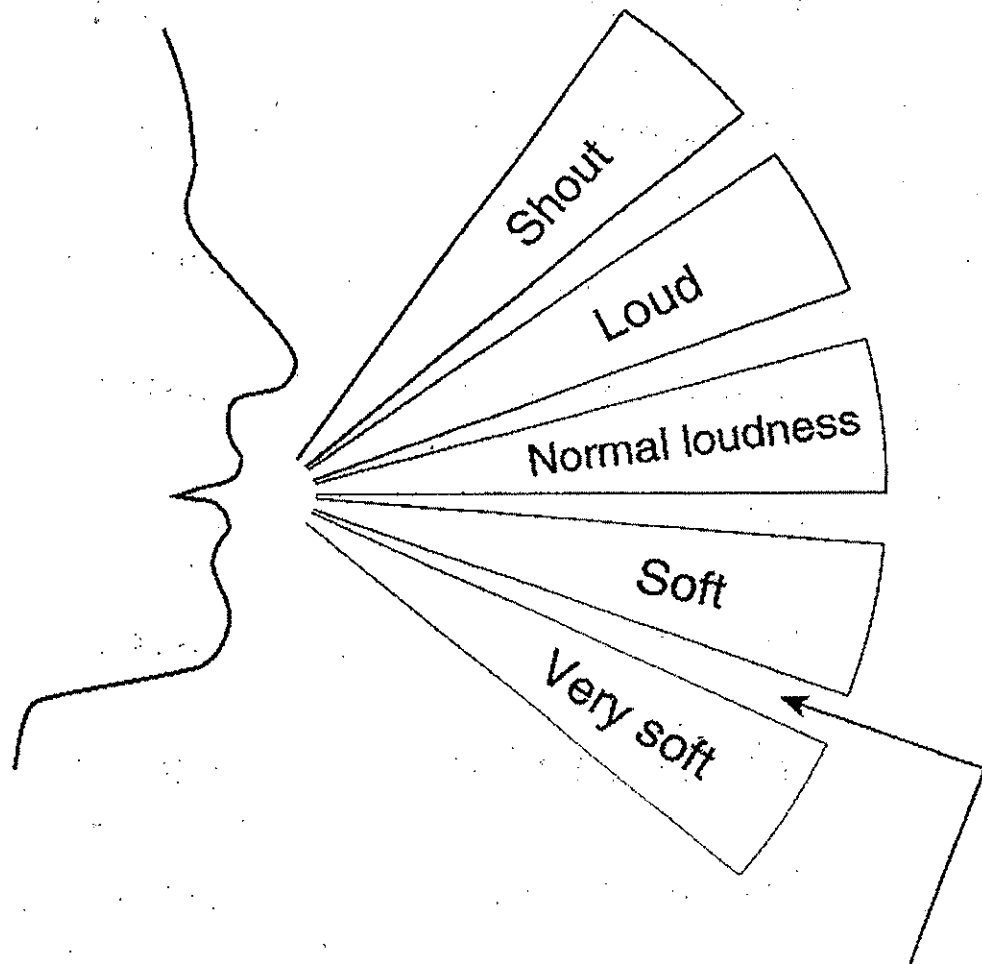


## RELATIVE VOCAL LOUDNESS LEVEL OF AN INDIVIDUAL WITH PARKINSON DISEASE



*(Adapted from Carolyn Mead Bonitati, 1987)*

Vocal loudness level  
of an individual with  
Parkinson disease

As a result of Parkinson disease you will need to use more **vocal effort** to have a voice within normal loudness limits.

# LSVT<sup>®</sup> LOUD FACT SHEET

**FIRST SPEECH TREATMENT WITH LEVEL 1 EVIDENCE AND ESTABLISHED EFFICACY FOR TREATING VOICE AND SPEECH DISORDERS IN INDIVIDUALS WITH PARKINSON DISEASE WITH APPLICATION TO OTHER NEUROLOGICAL DISORDERS**

- The *LSVT<sup>®</sup> LOUD* improves both the voice and speech of individuals with Parkinson disease by treating the underlying physical pathology associated with the disordered voice
- Treatment focuses on improving vocal loudness and immediate carryover into daily communication enabling patients to **maintain and/or improve** their oral communication
- The *LSVT<sup>®</sup> LOUD* is administered on an **intensive schedule** of 16 individual, 60 minute sessions in one month's time
- 90% of patients improve vocal loudness from pre to post-treatment
- Approximately 80% of patients maintain treatment improvements in their voice for **12-24 months** post-treatment
- **ALL** patients report improvement in their ability to communicate
- *LSVT<sup>®</sup> LOUD* is being successfully delivered by over 4,000 certified LSVT clinicians in 41 countries

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**\*\*\*For more information, contact the \*\*\***

**LSVT Global**

**Phone: 1-888-438-LSVT (5788) toll free message line**

**FAX: 520-615-8559 EMAIL: [info@LSVTGlobal.com](mailto:info@LSVTGlobal.com)**

**[www.LSVTGlobal.com](http://www.LSVTGlobal.com)**

Ramig, L., Sapir, S., Countryman S., Pawlas, A., O'Brien, C., Hoehn, M., & Thompson, L. (2001). Intensive voice treatment (LSVT<sup>®</sup>) for individuals with Parkinson disease: A two-year follow-up. J. Neurology, Neurosurgery, and Psychiatry. 71, 493-498.

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