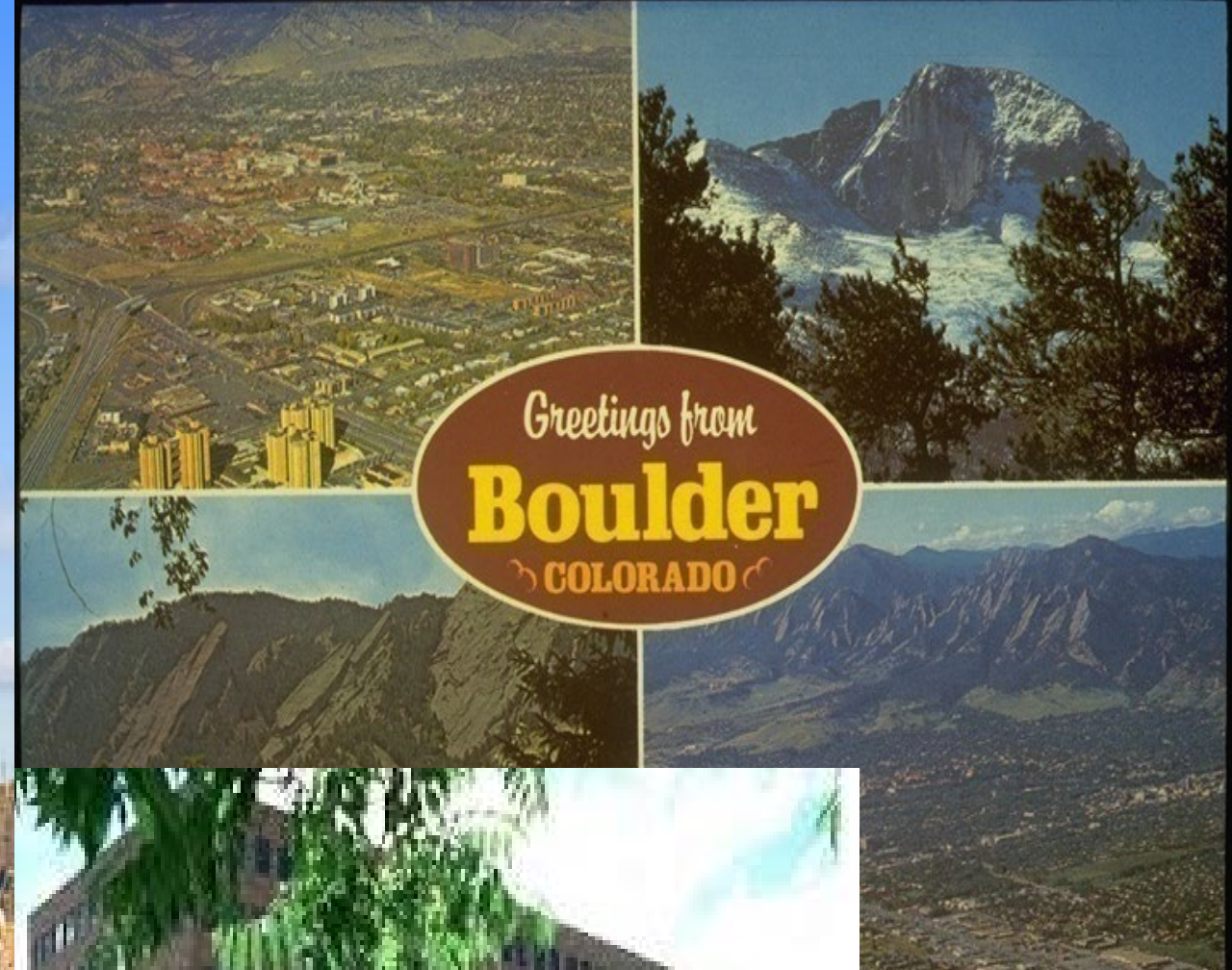
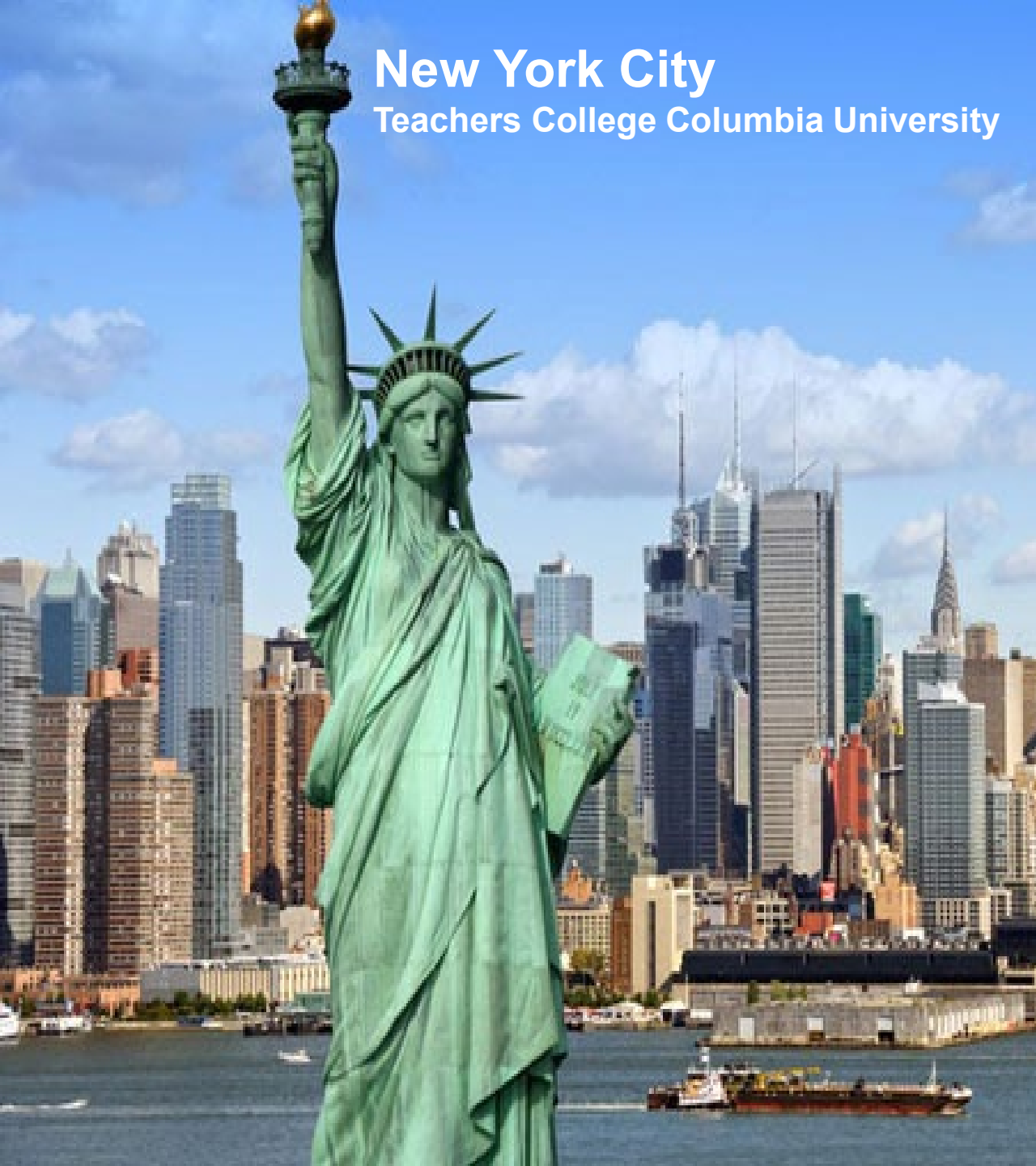


Help Improve Speech Recognition in Parkinson's disease

Lorraine Ramig, Ph.D., CCC-SLP
Heather Hodges, M.A., CCC-SLP
LSVT Global, Inc.



New York City
Teachers College Columbia University



Denver, CO
NCVS



Tucson, AZ
LSVT Global, Inc. Headquarters

Plan



Speech and voice disorders in Parkinson's disease



Speech Accessibility Project (SAP)



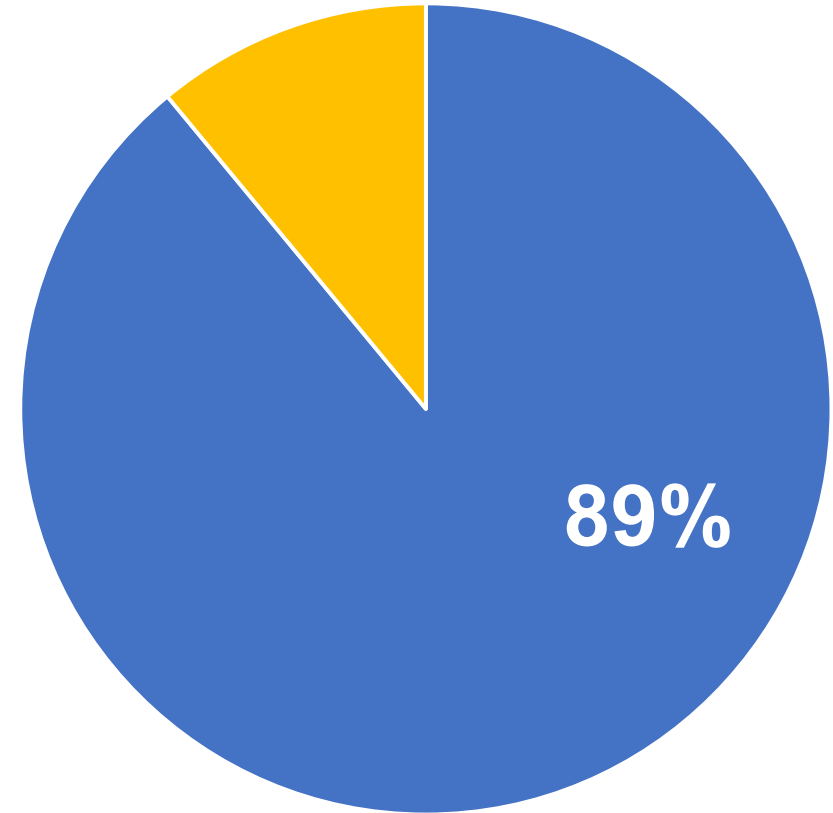
How you can participate in SAP



Q&A

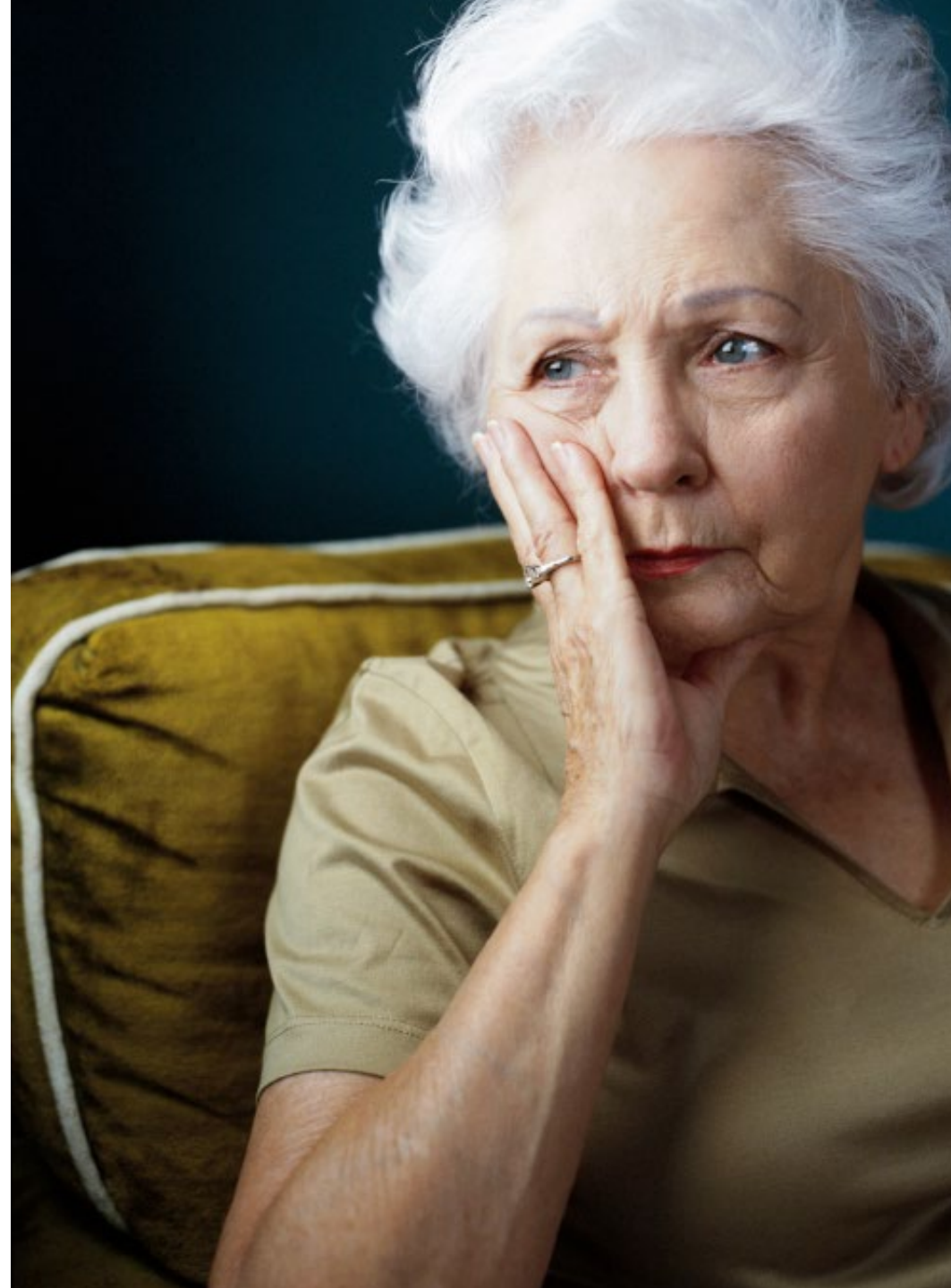
Over 89% of individuals with PD suffer from voice and speech disorders.

- Reduced vocal loudness
- Hoarse voice
- Monotone voice
- Imprecise articulation



“If I have no voice, I have no life.”

-Natalie, individual with PD



Speech and voice disorder in Parkinson' disease is complex

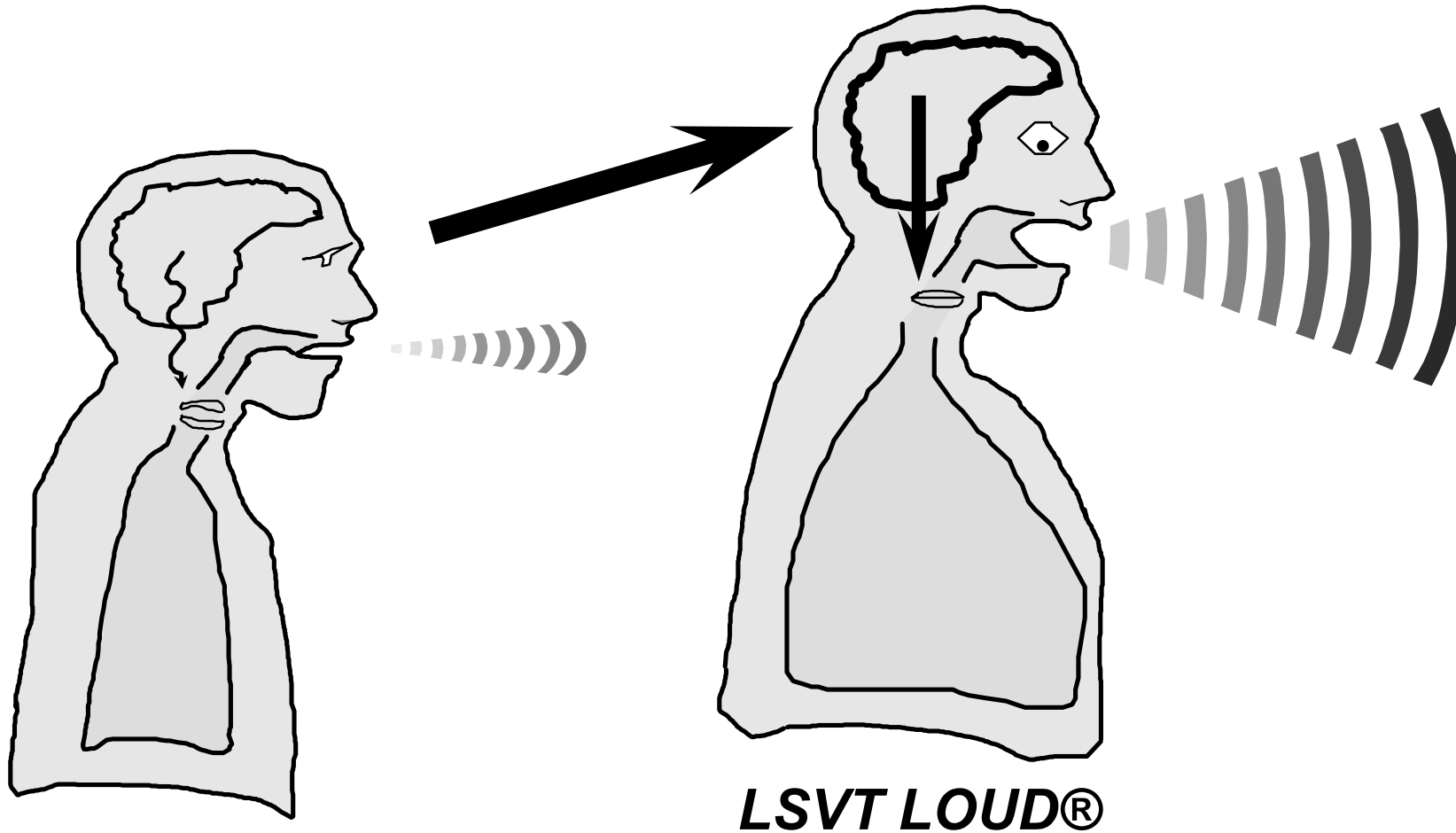
Hypokinesia

Sensory disorder

Internal cueing disorder



**Short and long-term efficacy established for
LSVT LOUD® in five National Institutes of Health (NIH)
Randomized Control Trials**

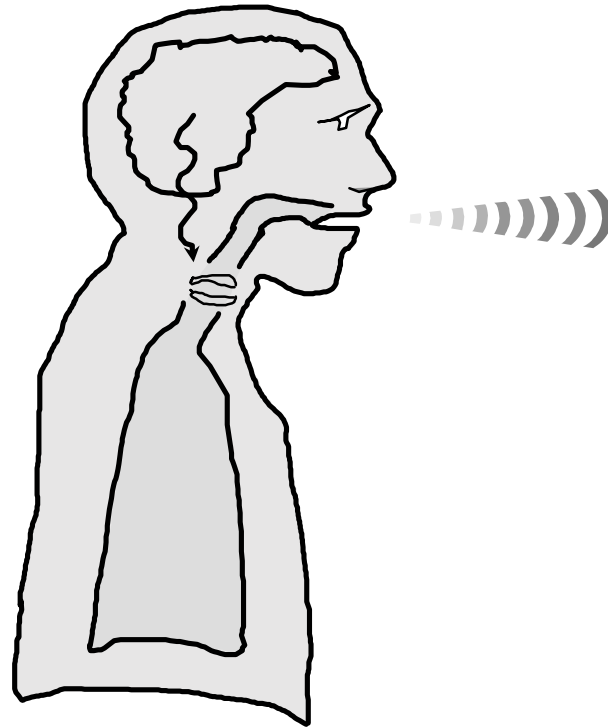


LSVT LOUD® Global Standard for Speech Treatment for PD



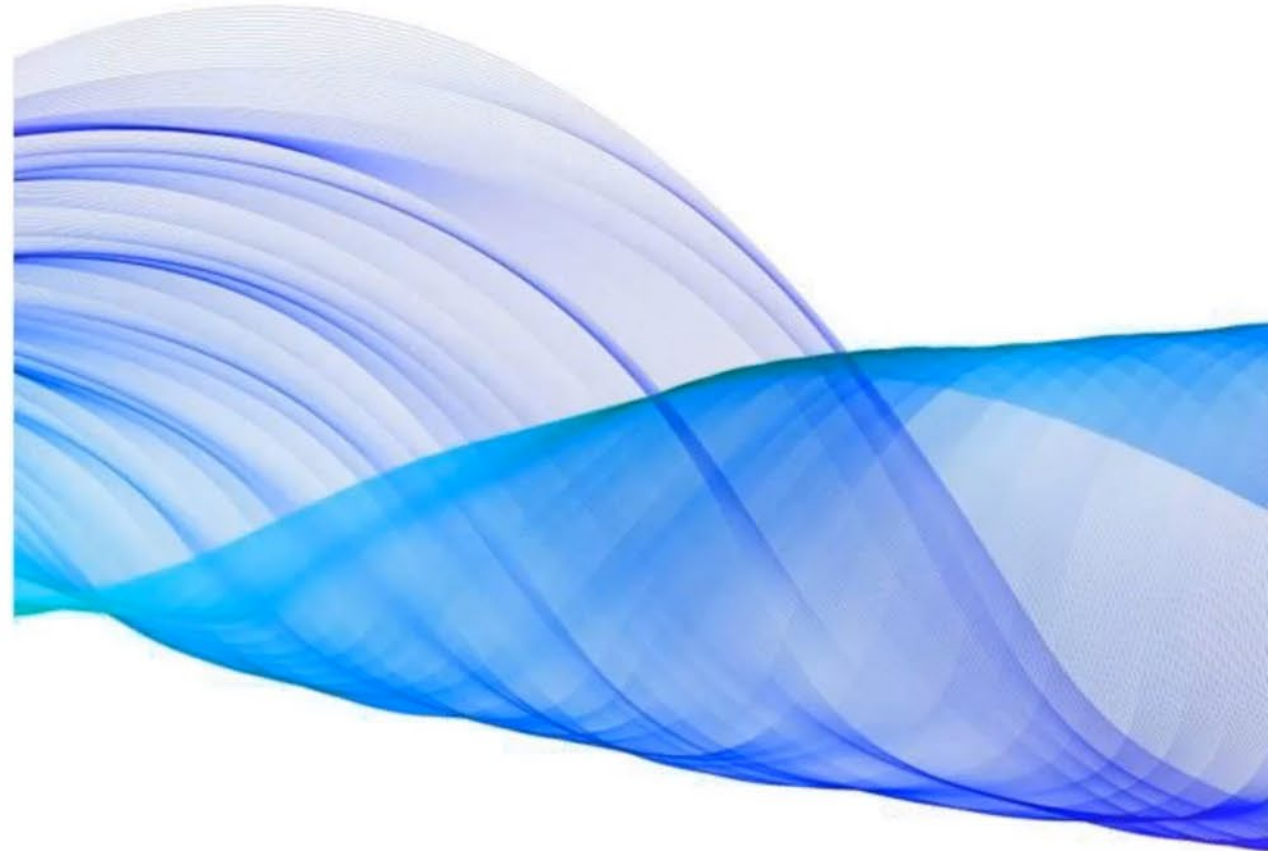
Over **30,000** LSVT LOUD Certified Clinicians in **80** countries
Over **29,000** LSVT BIG Certified Clinicians in **55** countries

Help Improve Speech Recognition in Parkinson's disease



***Reduced loudness, hoarse,
monotone, imprecise articulation***

Building a Data Base for Automatic Speech Recognition in Parkinson's Disease



Lorraine Ramig, Ph.D., CCC-SLP, Bob MacDonald, Ph.D., Heather Hodges, M.A., CCC-SLP, Pan-Pan Jiang, Ph.D., Ona Reed, M.A., SLP-CF, Jennifer Spielman, M.M., M.A., CCC-SLP, Julie Cattiau, M.S., Emily Nauman, M.A., CCC-SLP, and Carly Bergey, M.A., CCC-SLP



Background

Project Euphonia

Summary


67 referral sources

498 people contacted the US team

**156 participants completed the
300 phrase-set from 18 countries**



Speech Accessibility Project (SAP)





Speech Accessibility Project (SAP)

Funded by the biggest technology companies in the world



Conducted by the University of Illinois Beckman Institute







Speech Accessibility Project (SAP)

Today, we are currently collecting speech samples from people with:

- IPD
- Multiple Systems Atrophy (MSA)
- Dementia with Lewy Bodies
- Progressive Supranuclear Palsy (PSP)
- Post-DBS
- other Parkinsonisms

We are recruiting mild, moderate and severe speech disorders.

**If you participated in Project Euphonia,
you can participate in SAP!**

Perks



**PARTICIPANTS CAN EARN
UP TO \$180 FOR
PARTICIPATING AND THEIR
HELPER CAN EARN \$90.**



**PARTICIPANTS WILL BE
MENTORED THROUGHOUT
THE PROJECT BY A
PROFESSIONAL SPEECH
CLINICIAN.**



Speech Accessibility Project

Snapshot of the Experience

1

Sign up through the University of Illinois.

We set up a brief call to tell you more about the study and qualifications.

2

Meet over Zoom with a project mentor.

Screen, demo, train, and practice.

Speech Accessibility Project

Snapshot of the Experience

Project Mentors

- **All meetings occur with mentors who are trained speech language pathologists (SLP)**
- **Specialty experience treating voice/speech/swallow of those with PD**





450
prompts

Speech Accessibility Project

Snapshot of the Experience

Complete the project within one week

Record your natural voice

- **Easy controls and intuitive icons**
- **Record from your residence on your computer or tablet**
- **Chip away daily on your schedule**

Speech Accessibility Project

Snapshot of the Experience



Helpers

Trained alongside
participants

Feedback from Participants

This went so quickly! I loved meeting the team!

I love that device companies are COLLABORATING and not competing so things improve across the board!

It feels great contributing to research that will help so many.

She was thorough in explaining how to do it!

Having a daily job for my voice was unexpectedly fun.

Speech Accessibility Project

How to Participate

Option 1

- Sign up through the University of Illinois
- Fill out this form: go.illinois.edu/SAPregistration



Speech Accessibility Project

How to Participate

Option 2

Scan this QR code

Your Help is Needed!
Your Voice is Important



How to Participate

Option 3

Look for this flyer

Call

1-888-309-6499

SPEECH ACCESSIBILITY PROJECT

Share your voice with the Speech Accessibility Project!

Now recruiting individuals with Parkinson's to help speech recognition tools understand diverse voices, including those affected by Parkinson's and related neurological diagnoses, for example, MSA, PSP, CBD and post-DBS.

All personal information safeguarded at the University of Illinois Urbana-Champaign. Project funded by Amazon, Apple, Google, Meta, and Microsoft.

Record your speech from the comfort of your home. Mentors from LSVT Global are ready to help you through the participation process.

Get started today! Participants can earn up to \$180. Caregivers can earn up to \$90, as well.

go.illinois.edu/SAPregistration



Questions? speechaccessibility@beckman.illinois.edu 1-888-309-6499



Beckman Institute
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Thanks Parkinson's Community!



- PMD Alliance
- Carol Walton, Parkinson Alliance
- Eli Pollard, World Parkinson Coalition
- Jo Rosen's Parkinson's Resource Organization
- Joanna Teters, Dr. Kristophe Diaz, David Kemp, Cure PSP
- Davis Phinney Foundation
- Larry Gifford, PD Avengers
- Sharon Krischer, Twitchy Women
- Young Onset Parkinson's Network
- Michael Okun, MD, U Florida Health
- Rock Steady Boxing
- Dance PD
- Pedaling for Parkinson's
- Michael J. Fox Foundation
- Mission PD
- Parkinson's Foundation
- Mary Spremulli and other LSVT LOUD certified SLPs
- LOUD for LIFE and BIG for LIFE Leaders
- Support Groups
- Participant referrals



Q&A

Thank you and happy to answer any questions

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Thank you!!!!



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