



LSVT Global® Public Webinar Series

Title: **From Classroom to Clinic: LSVT® Training and Certification Options for University Programs**

Presenters: Laura Gusè, BSPT, MPT
Angela Halpern, MS, CCC-SLP

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From Classroom to Clinic: LSVT® Training and Certification Options for University Programs



LSVT GLOBAL Innovation in Science. Integrity in Practice.®

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Presenters



Laura Gusé, BSPT, MPT
LSVT BIG® Faculty &
Chief Clinical Officer
LSVT Global, Inc.



Angela Halpern
MS, CCC-SLP
LSVT LOUD® Faculty &
Chief Clinical Officer

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Presenter Biographies

Laura Gusé, BSPT, MPT

Ms. Gusé has extensive experience treating people with neurodegenerative disorders in various practice settings. She was LSVT BIG certified in 2009 and now serves as Chief Clinical Officer of LSVT BIG. Ms. Gusé oversees the training, curriculum and product development related to LSVT BIG, and has helped to create many of the current LSVT BIG treatment tools, webinars, and courses. She has spoken at many national and international conferences on topics related to LSVT BIG.

Angela Halpern, MS, CCC-SLP

Ms. Halpern is an expert in voice/speech disorders and treatment efficacy research for people with PD. She is the Chief Clinical Officer for LSVT LOUD and LSVT LOUD faculty. She has been integral in the creation of LSVT LOUD webinars and courses. She is a research associate at the NCVS-Denver. She has authored and co-authored articles related to treatment efficacy research for people with PD, as well as given presentations at numerous national and international conferences.

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Disclosures

- All LSVT faculty have both financial and non-financial relationships with LSVT Global.
- Non-financial relationships include a preference for LSVT LOUD and LSVT BIG as treatment techniques.
- Financial Relationships include:
Ms. Gusè and Ms. Halpern are employees of LSVT Global, Inc. and receive lecture honorarium from LSVT Global, Inc.

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Webinar Logistics

- Microphones muted
- How to ask questions
- Handouts
- Survey
- Continuing Education Units (CEUs)


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Information to Self-Report CE Activity

- This LSVT Global webinar is NOT ASHA or state registered for CEUs for speech, physical and occupational therapy professionals, but it may be used for self-reported CEU credit as a non-registered/non-preapproved CEU activity.
- If you are a speech, physical, or occupational therapy professional and would like to self-report your activity, e-mail webinars@lsvtglobal.com to request a certificate after completion of the webinar which will include your name, date and duration of the webinar.
- Licensing requirements for CEUs differ by state. Check with your state PT, OT or Speech licensing board to determine if your state accepts non-ASHA registered or non-pre-approved CEU activities.
- Attendance for the full hour is required to earn a certificate.



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Learning Objectives

Upon conclusion of this webinar, participants will be able to:

- Recognize the growing need to equip and prepare therapists to treat people living with PD
- Understand the benefits of providing LSVT Training and Certification at the student level
- Describe the models for LSVT Virtual Live and Online (Individual, Group, Mixed) Student Training and Certification

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Polling Question #1

Are you a:

1. Student in a PT, OT or SLP (or assistant) program?
2. Faculty in a PT, OT or Speech program?
3. Professional PT, OT or SLP?
4. None of the above

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Polling Question #2

Are you certified in LSVT BIG or LSVT LOUD?


1. YES
2. NO

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Prevalence of PD is expected to DOUBLE by 2040

ARE WE READY?

Up to 8 million people worldwide are living with PD.



Dorsey ER, Bloem BR (2018) The Parkinson Pandemic—A Call to Action. JAMA Neurol. 2018;75(1):9-10. doi:10.1001/jamaneurol.2017.3299

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Incidence of PD 1.5x higher than prior estimates

- Incidence in US:** 108 -212 per 100,000 (ages 65+)
47 -700/100,000 (ages 45+)
- 90,000 new cases annually in the US**

"[The data] underscore the urgency of being able to address Parkinson's disease at a national level...Through a concerted effort, I think we can really tackle Parkinson's and, hopefully, at one point, have a world without Parkinson's."

- Dr. James Beck, Senior Vice President and Chief Scientific Officer at the Parkinson's Foundation

<https://www.parkinson.org/about-us/news/incidence-2022>

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Up to 1 billion people globally are living with a neurological disorder.
World Health Organization Report 2007

Parkinson's disease 10+ million	Stroke 101.5 million	Alzheimers and dementias 24.3 million	Atypical Parkinsonisms over 3 million
Multiple Sclerosis 2.8 million	Cerebral Palsy 17 million	Down Syndrome 250,000 (USA)	

Statistics. Parkinson's Foundation.; 2021 Heart Disease & Stroke Statistical Update Fact Sheet Global Burden of Disease; Ferri et al., 2005; Levin et al., 2016; Walton et al., 2020; Alliance, C. P. Facts about cerebral palsy. Cerebral Palsy Alliance; Presson et al., 2013; World Health Organization. Neurological disorders affect millions globally: Who report 2007.

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A Global Mission

To empower people living with Parkinson's or other conditions to restore and maintain their highest levels of functional communication, mobility and independence in daily life through scientifically supported therapy programs:

- **LSVT LOUD®** (speech therapy)
- **LSVT BIG®** (physical/occupational therapy)



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What are LSVT LOUD and LSVT BIG?

LSVT BIG and LSVT LOUD are intensive, amplitude focused approaches based on theories of neural plasticity and motor learning.

The LSVT programs also incorporate a sensory component to train individual's to independently target normal movement amplitude and normal speech loudness.

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LSVT BIG and LSVT LOUD

Standardized treatment protocols based on many years of scientific research

LSVT BIG and LSVT LOUD treatment each consist of:

- | | | | |
|----------------------------------------------------------|-------------------------------|----------------------------|------------------------------|
| 16 sessions:
4 consecutive days a
week for 4 weeks | Individual 1-hour
sessions | Daily homework
practice | Daily carryover
exercises |
|----------------------------------------------------------|-------------------------------|----------------------------|------------------------------|

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Standardized, yet Individualized

Customized to the unique goals of each patient.

Can be adapted or progressed in order to meet each patient's needs across a range of disease severity and presenting impairments.

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30+ year journey from invention to scale-up of LSVT

Phase I, II	1987-89: Initial invention; Pilot data Lee Silverman Center 1989-91: Treatment development OE-NIDRR	
Phase III	1991-94: Treatment follow-up OE-NIDRR 1990-95: Treatment Efficacy NIH R01, RCT 1995-00: Underlying Mechanism NIH R01 RCT 2002-07: Distributed effects NIH R01 ← LSVT BIG development began 2007-12: Target/mode NIH R01 RCT ← LSVT BIG RCT published	
Phase IV, V	2001-02: LSVT Companion Coleman Institute 2002-04: LSVTC NIH & MJ FOX Foundation NIH R21 2002-04: LSVTVT Coleman Institute 2004-06: LSVTVT NIH R21 2004: LSVT Down Syndrome Coleman Institute 2006: Technology Enhanced Clinician Training NIH SBIR 2009: Telehealth Delivery of Software Enhanced LSVT NIH SBIR 2010: Independent Delivery of Software Enhanced LSVT NIH SBIR Implementation in 'real world' clinical practice	<p>On average, it takes 17 years for 14% of original research to be implemented into a physician's practice. (Brownson et al., 2006)</p>

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What is the research on the use of LSVT LOUD and LSVT BIG with conditions other than PD?

- Parkinson Plus (Countryman et al., 1994)
- Post Surgery, Fetal cell (Countryman, et al., 1993)
- **Stroke** (Fox et al., 2002; Mahler et al., 2009; Mahler et al., 2012; Proffitt et al., 2018, Metcalfe et al., 2019; Proffitt et al., 2021)
- **Idiopathic Normal Pressure Hydrocephalus** (Fillmore et al., 2020)
- Multiple Sclerosis (Sapir et al., 2001; Crispatico et al., 2021)
- Ataxia (Sapir et al., 2003)
- Cerebral palsy (Fox et al., 2012; Boliek et al., 2014; McInerney et al., 2021; Moya-Galé et al., 2021; Ertan et al., 2021)
- Down Syndrome (Boliek et al., 2016; Petska et al., 2006; Mahler et al., 2012; Boliek et al., 2021)
- Aging (Ramig et al., 2001)
- Autism Spectrum Disorder (Galgano et al., 2021)

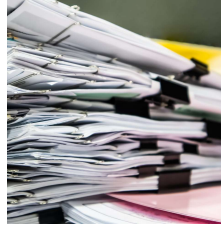
(Single-subject, case study and small group designs. LSVT LOUD studies in black. LSVT BIG studies in blue.)

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Evidence Based Practice Matters.

Before you recommend a therapeutic intervention to patients or invest in education to learn it, know the evidence and expected results of that intervention.

- o Has the intervention been researched?
- o What is the depth and quality of the research?
- o How do you *know* it works?



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History of LSVT Training & Certification

LSVT LOUD

1993: Live Course Launch
2010: Online Course Launch

LSVT BIG

2007: Live Course Launch
2014: Online Course Launch

Today

96 Countries Represented
26,000+ LSVT LOUD Certified Clinicians
36,000+ LSVT BIG Certified Clinicians

2022 Student Snapshot

616 SLP/SLPA Students
569 PT/PTA Students
202 OT/OTA Students

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Why Student Training & Certification?



Reinforces motor learning and neuroplasticity concepts learned in coursework. Teaches students how to *apply* these concepts via evidence-based treatment approaches.



Allows students to gain valuable hands-on experience with LSVT BIG or LSVT LOUD and mentorship while still students under the supervision of LSVT Certified Therapists.



Enables them to participate in treatment research studies on LSVT LOUD or LSVT BIG.



Enhances marketability and gives students a solid foundation as they begin their careers.



Cost savings

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The Impact of LSVT BIG® Certification on Graduate Students and Entry-Level Clinicians (SUNY Downstate OT Alumni)
<https://blog.lsvtglobal.com/the-impact-of-lsvt-big-certification-on-graduate-students/>

General Benefits:

- Acquisition of skills could be applied during their fieldwork level-two experiences
- Increased their competitiveness during entry-level job searching
- Increased confidence during an initial job search

Job-specific benefits:

- Increased competency
- Enhanced job performance
- Enhanced workplace empowerment
- Increased job satisfaction and accomplishment

85% would recommend the course to future students, and 92% believe the certification to be valuable overall

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"LSVT BIG actually helped me in my pediatrics fieldwork, working with children with Autism who encountered challenges with motor planning and initiating."

"It increased tools to use when working with a variety of patients with neurological conditions."

"(It) increased confidence in educating patients about their current condition' and 'increased confidence in treating patients with Parkinson's.'"

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Training and Certification Options for Students and Clinicians



Virtual Live



Online

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Virtual Live LSVT LOUD and LSVT BIG Training Courses

Learning Format

- Blend of several hours pre-recorded, asynchronous learning and two days of "live" training via Zoom
- Includes exam and materials
- Live presentation with videos, demos, practice and interaction with other participants and people with PD

Dates

- See listing at www.lsvtglobal.com. Click on Get LSVT Certified and select live/virtual live.
- Students are welcome to join scheduled courses.



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Virtual Live LSVT LOUD for KIDS Training Courses

Learning Format

- Blend of several hours pre-recorded, asynchronous learning and two days of "live" training via Zoom
- Includes exam and materials
- Live presentation with videos, demos, practice and interaction with other participants and pediatric volunteers

Dates

- See listing at www.lsvtglobal.com. Click on Get LSVT Certified and select live/virtual live under the LSVT LOUD courses.
- Students are welcome to join scheduled courses!



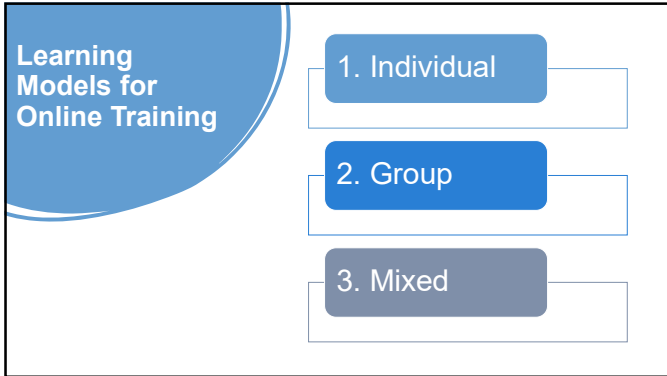
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Online LSVT LOUD and LSVT BIG Training Courses

- On Demand, Self-Paced
- 60 days to complete from day of registration
- Pre-recorded presentation broken into short learning modules
- Around 100 video demonstrations
- Interactive modules
- Exam and knowledge checks built-in
- Includes training materials shipped to you
- Practice on your own or with others taking the course



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Online Option 1: Individual Learning With or Without Lab

- Students complete the online training course on their own time.
- A faculty group facilitator who is LSVT Certified may choose to offer an optional lab time at the end of the training period for participating students to practice exercises, answer questions or even bring in volunteers with PD. (LSVT Global will provide a suggested outline.)
- This model is the easiest to coordinate and most flexible.
- Students must be responsible to complete the training on their own within the 60-day window or by the time the lab occurs (if applicable). Faculty can set weekly learning assignments to pace the learning and for accountability.

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Online Option 2: Group Learning

Preparation:

- Faculty need not be previously certified.
- 2 full days (8 hours each minimum) needed to complete the course as a group. Can be split into smaller segments/more days as you'd like.
- Students and faculty register and test login access prior to group learning day.

Process:

- Students bring their laptops to the classroom and go through all modules together.
- The faculty facilitator projects the course onto a large screen.
- Everyone learns simultaneously.
- For modules that include exercise practice, participants practice together with each other.

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**Online Option 3:
Mixed Learning (Group + Individual)**

- Students would complete some of the learning modules individually and some modules (such as those requiring exercise practice) as a group, pre-determined by the course facilitator.
- Students must be responsible to stay on pace so that when the group learning day arrives, everyone is prepared to start at the same place.
- Faculty need not be previously certified.
- You can still have an extra lab time at the end if you choose.

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Value Added Benefits of Certification

1. Downloadable resources for assessment, treatment and clinical practice, multiple languages
2. Live and on-demand webinars on advanced topics
3. Access to LSVT Clinician Facebook groups for networking
4. Direct access to expert LSVT Faculty during and after certification
5. LSVT LOUD or LSVT BIG Homework Helper videos
6. Exclusive access to advanced BIG for LIFE and LOUD for LIFE Courses
7. Listing on LSVT Clinician Directory for referrals (upon graduation)
8. Marketing resources
9. Free upgrade from Student to Professional upon graduation (no need to retake the course, the exam, or pay additional fees to upgrade)

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Online or Virtual Live Pricing

- **Individual Pricing** (1-4 registrants): \$325/students or \$605/professionals
- **Group Pricing** (5+ total registrants):
 - \$295/students or \$555/professional
 - Group registrations are handled manually
 - Can be a mix of learners (students/faculty) and a mix of courses (Online/Virtual)
- **Online University Group Pricing for Faculty:**
 - For every 10 students who register/pay, one faculty can register at the \$295 rate
 - \$555 per faculty if only 5-9 students register
 - No cost to faculty facilitators who are previously certified in LSVT
- Students and/or faculty can pay on their own, or payment for the entire group can be made

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"So glad to have this online option, as travel to workshops is impossible at this time. Also thank you for offering discount courses to graduate students. As a new clinician, internalizing these principles is invaluable not just for LSVT, but any treatment approach for any population. And these video models are worth a thousand textbooks!"

- LSVT BIG Certified Student

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Summary

- There is a huge global need for therapists who have expertise in PD and other neurological conditions.
- There are multiple advantages of providing LSVT Training and Certification at the student level.
- LSVT Training and Certification can be obtained through easy to use Virtual Live or Online learning formats.

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Interested in bringing LSVT training to your students?

- Contact us! Email anytime, or see us in person at ASHA, CSM and AOTA Conventions!
- For LSVT LOUD training for SLP graduate students in the US or ST/SLT therapy students in international programs: angela.halpern@lsvtglobal.com
- For LSVT BIG training for PT, PTA, OT and OTA students in the US or internationally: laura.guse@lsvtglobal.com
- For general inquiries: info@lsvtglobal.com

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Opportunities to Learn More

SIMUCASE®: "Judith" (in SLP and OT) (<https://www.simucase.com/>)

BLOG RESOURCES: (<https://blog.lsvtglobal.com/>)

- Live and On Demand Webinars
- Blog Posts, Testimonials, Videos
- Research on LSVT BIG
- Treatment research grants for students

WEB RESOURCES (<https://www.lsvtglobal.com/>)

- Students and Faculty

SOCIAL MEDIA: Follow LSVT Global on Facebook, Instagram, Twitter and Linked In



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How to ask questions

1. Type in the Q & A box
2. Raise your hand! (click on the hand icon)
3. Email info@lsvtglobal.com

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Join us for our next webinar!

Date: Wednesday, March 22, 2023
Time: 2:00 PM - 3:00 PM Eastern Standard Time (EST)
Intended Audience: Individuals with PD and their caregivers



"Life after LSVT"

If you receive LSVT LOUD or LSVT BIG treatment, maintaining your improvements in movement and/or communication is vital! Learn about homework resources, tune-up sessions, the LSVT Coach® software program, BIG for LIFE and LOUD for LIFE exercise classes, and our newly launched web-based exercise program, LSVT for LIFE®. Optimize your success during LSVT treatment and maintain your gains for years to come!

Register at <https://blog.lsvtglobal.com/events/>
 Scroll down to March events

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Thank you!



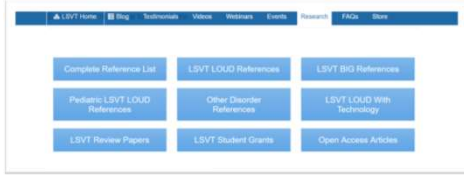
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Please complete the survey that will display on your screen after you exit the webinar.
 It will take five minutes or less to complete!

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LSVT References

<https://blog.lsvtglobal.com/research/>



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