# An Outline for Future Research of Animal-Assisted Therapy in Speech-Language Pathology

## BACKGROUND



isolation (Fine, 2015).

These effects have been harnessed in healthcare through therapeutic approaches such as animalassisted therapy (AAT). AAT incorporates animals as a critical component in achieving therapy goals (Fine, 2015).

The therapeutic effect of AAT has been studied primarily in counselling and psychotherapy; however, the evidence of its efficacy is limited (Kazdin, 2017).

# **CHOOSING CLIENT POPULATIONS**

### AAT may support speech-language therapy through:

- Improvements in mental health, including decreases in depression, stress, and anxiety
- Increased trust between client and clinician
- Increased engagement in therapy interventions
- Enhanced motivation to increase loudness, clarity, and/or fluency of speech

Two client populations were identified that are hypothesized to benefit from AAT.

Adults with Parkinson's Disease (PD):

A neurodegenerative condition, mainly affecting the motor system

What can it look like?

### Adults who stutter:

A developmental fluency disorder

What can it look like?



# IMPLICATIONS FOR FUTURE RESEARCH

### Future research with this study design is anticipated to lay the foundation for:

- Interdisciplinary collaboration with other healthcare disciplines, including occupational therapy, physical therapy, and psychology
- Potential partnerships with local associations, such as the Institute of Stuttering Treatment and Research (ISTAR), Corbett Clinic, and the Edmonton Humane Society

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Interactions with animals have long been shown to improve human health through improved mood, increased physical activity, and decreased anxiety and social

Speech-language pathology requires active client participation for successful therapy to occur. The use of animals in a therapy context has the potential to promote client trust in the therapist, which may improve active participation, motivation, and overall outcomes (Julius, Beetz, Kotrschal, Turner, & Uvnäs-Moberg, 2013).

• Increased awareness of the potential use of AAT as an intervention strategy in the field of speech-language pathology

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Fine, A. H. (Ed.). (2015). Handbook on animal-assisted therapy: Foundations and

Julius, H., Beetz, A., Kotrschal, K., Turner, D., & Uvnäs-Moberg, K. (2012). Attachment

Kazdin, A. E. (2017). Strategies to improve the evidence base of animal-assisted interventions. Applied Developmental Science, 21(2), 150-164.

**CHOOSING TREATMENT DELIVERY** 

### **ABAB treatment delivery provides:**

- Direct comparison between traditional speech-language therapy (condition A) and AAT (condition B)
- A clear functional relationship between treatment type and speech outcome measures

	What Might an AAT Sess
Who:	Client Speech-Language Patho Animal handler Trained therapy animal, Alberta health and safet
Stuttering	Bringing the therapy dog
Example	calming presence and a
Activity:	during a fluency skill trai
PD	Speaking with loud enou
Example	therapy dog can hear an
Activity:	from across the room

# **PURPOSE & RATIONALE**

There is little evidence regarding the use of AAT in the field of speech-language pathology. Existing evidence is primarily case study or anecdotal and focuses on pediatric populations. Empirical evidence regarding the application to AAT to speechlanguage pathology services for adults with communication disorders is needed in order to broaden our knowledge of this field and its applicability to speech-language pathology.

This project aims to initiate the systematic exploration of the utility and impact of AAT when working with adult clients in speech-language therapy via the creation of a study design to be used in future research endeavours.



# **REFERENCES & ACKNOWLEDGEMENTS**

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