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PUBLICATION: Journal of Applied Behavior Analysis, 2022 **ARTICLE:** Public speaking disfluencies: A review of habit reversal training and research

Effective public speaking positively influences group communications (Spohr, 2009), occupational success (Burrus et al., 2013), and job interviews (Stocco et al., 2017). Among behavior analysts, clear and fluent speaking is a necessary competency for presenting information during meetings, delivering consultation, conducting supervision, and disseminating research via oral presentation (Friman, 2014; Heinicke et al., 2021).

Author



James K. Luiselli, Ed.D., ABPP, BCBA-D



Note. BHR = brief habit reversal, AT = awareness training, CPR = competing response training, MBD = multiple baseline design

Filled pause speech disfluencies are common in public speaking among students, instructors, and professionals from many disciplines, including behavior analysis. Habit reversal training in several formats reduces filled pauses and the recipients of training and listeners recognize the resulting improvement in oral presentation skills.

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rnal of Applied Behavior Analysis SEAE 2022, 9999, 1-Public speaking disfluencies: A review of habit reversal training NUMBER 9999 James K. Luiselli 💿 Aelmark New England 022, the Iou <text><text><text><text><text><text><text> tion for speech disfluencies and con relative effectiveness of that are topographically similar and dis filled paus nts had uniformly positive r ojectives, methods, and outcome reversal training they received. Mo members during generalization so indicated that the baseline publi skills of the participants impro ning and the participants displa behavior during speeches (e.g., sp quality, comfort), with few tes et al., 2019). everal variables that could influ ity ratings, notably the sequ f training (Montes et al., 20), characteristics of audience m t al., 2019), particular compon-ackage (Perrin et al., 2021), an l with CRT (Mancuso & structing participants, yourself about to emit I level of difficulty (Paw 20). Asking participants to ra rences for habit reversal con talking and count to 2021, p. 5), the functo them before training is eting response is les Different conditions are associated with filled Address correspondence to: James K. Luiselli, Director fengland, 461 River Road, Andover, MA 01810. doi: 10.1002/jaba.948 Different conditions are associated with filled more participants who (b) received formalized training to improve public speaking (c) in the context of a single-case experimental design (SEED). The search produced seven studies (Table 1) that were published during the period 2016 to 2022. All of the participants (N = 44) social validity ass ound that (a) AT preve, and (b) low-rate s can occur with few n brief format, habit reversa me-consuming: Pawlik and imated 5 to 6 hr for some earch direction conevaluate CRT as the Montes et al. (2019) con of 5 to 20 AT sessions before pa eached mastery criteria. Small gro ndividualized training may be more but has only been evaluated in a single study (Perrin et al., 2021). Remote training option: with video conferencing could also be time saving and reach individuals unavailable for in-person sessions (Ortiz et al., 2022). Further SythSUCVENIK.pdf kzrin, N. H., & Nunn, R. G. (1973). Habit reversal: A method of eliminating nervous habits and tics. *Behav-ior Research and Therapy*, 11, 619-62. https://psycnet. onsiderations for training that have not been evaluated are using awareness-enhancement devices to facilitate response detection and have apacongroun 10.1010/0057/30/13/90172-8 im, N. H., & Nunn, R. G. (1974). A rapid method of eliminating stuttering by a regulated breathing approach. Behavior Research and Therapy, 12, 279-286. https://doi.org/10.1016/0005-7967(7/4)90002-3 ing participants monitor and score their filled pause speech disfluencies from video recorded 286. https://doi.org/10.1016/0005-7967(74)90002-Bell, R. L. (2011). Is your speech filled with um? 3 tips to eliminate filled pauses from your professional presen tation. *Supervision*, 72, 10-13. speeches as homework assignments (Montes et al., 2019).

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