Supplementary Materials

Table S1. Brief descriptions of interventions to mitigate negative attitudes toward stuttering included in the 2026 intervention group.

Sample Label	Intervention	Medium: Live [L] / Audio [A] / Video [V] / Print [P]	Stutterer or Relative of Stutterer Involved: [Y/N]	Listening or Observing by Respondent [LO] / Direct Participation [DP]	Location of Intervention: Class or Room [C] / Lab [L] / Online [O])	Individual [I] / Group [G] Setting	Duration of Intervention (Hours or Minutes)
A	Poland: Mixed university students	LVP	Y	LO & DP	L	G	23 hr
B	Poland: Teachers	L	N	LO & DP	C	G	2 hr
C	USA: Education students	L	Y	LO & DP	C	G	10 min
D	USA: Education students	L	N	LO & DP	C	G	10 min
E	New Zealand: Teachers	VP	Y	LO	O	I	22 min
F	Malaysia: Teachers	V	N	LO	C	G	8 min
G	USA: Undergraduate SLP students	V	N	LO	C	G	10 min
H	Puerto Rico: Entire curriculum for SLP students with one 18 week stuttering course	LVP	N	LO & DP	C	G	2 yr
I	Israel: Education students	L	N	LO	O	G	60 min
J	USA: Mixed undergraduate students	AP	Y	L	C	G	30 min
K	USA: Mixed undergraduate students	V	Y	LO	C	G	30 min
L	India: Clinical psychology & foods/nutrition students	L	N	LO	C	I G	30 min
M	Poland: high school students	LVP	N	DP	C	G	90 min
N	USA: Mixed university students	V	Y	LO	O	I	67 min
O	USA: Mixed university students	V	N	LO	O	I	54 min
P	UK: Teachers	LVP	Y	LO	O	I	45 min

A: St. Louis, et al. (2018).

B: St. Louis, et al. (2018).
C: Williams, et al., (2023).
D: Williams, et al., (2023).
E: Hearne, et al. (2020).
F: Harun, et al. (2022).
G: Azios, et al. (2021).
H: Carlo, et al. (2025).
I: Fichman, et al. (under review).
J: Nelson (2020).
K: Nelson (2020).
L: Gupta, St. Louis, Rastogi, et al. (2025).
M: Kral, (2025).
N: Cannon, et al. (2025).
O: Cannon, et al. (2025).
P: Bolton-Grant & Porter (2021).

Tables 2, 3, 4, and 5 (in a separate Microsoft Excel file) provide a comprehensive listing of *POSHA–S* mean results for the 2026 and 2016 cohorts.

Table S2. Pre-test and post-test mean and summary data for *POSHA–S* items for the 2026 intervention group. (See a–m below for an explanation: Data are in "S2 2026 Intervention" tab of Supplementary Materials S2-S5.xlsx.)

Table S3. Pre-test and post-test mean and summary data for *POSHA–S* items for the 2026 control group. (See a–m below for an explanation: Data are in "S3 2026 Control" tab of Supplementary Materials S2-S5.xlsx.)

Table S4. Pre-test and post-test mean and summary data for *POSHA–S* items for the 2016 intervention group. (See a–m below for an explanation: Data are in "S4 2016 Intervention" tab of Supplementary Materials S2-S5.xlsx.)

Table S5. Pre-test and post-test mean and summary data for *POSHA–S* items for the 2016 control group. (See a–m below for an explanation: Data are in "S5 2016 Control" tab of Supplementary Materials S2-S5.xlsx.)

These datasets contain the raw data for this study but also much more that is available to other researchers. For either intervention or control respondents in the two cohorts, the four tables include the following data, progressing from left to right:

a. *POSHA–S* variables, separated as follows: demographic characteristics; health, ability, and life priority ratings; general ratings of stuttering compared to four other "anchor" attributes, i.e., intelligence, left handed, obesity, and mental illness; all stuttering attitude

related items; components that comprise clusters of items; and three subscores Beliefs, Self Reactions, and Obesity/Mental Illness) and the Overall Stuttering Score (OSS).

b. Correlation between OSSs between all pre and post ratings (near the bottom).
c. Mean *POSHA–S* values, percentages, and ratings (converted to a -100 to +100 scale) for all pre, post, and difference scores (rust color)
d. *t* test comparisons between all pre versus all post ratings, i.e., probabilities, *t* values, Cohen's *d* effect sizes, and statistically significant Cohen's *d* effect sizes (pink color). Those comparisons that were significant at the alpha level of $p \leq 0.00417$ (.05/12) are shown in yellow highlight. Means, minimums, and maximums of the *t* values, all effect sizes, and significant effect sizes for the ratings comprising the three subscores (Beliefs, Self Reactions, and Obesity/Mental Illness) are shown at the bottom (color coded as *t* values in light blue, all effect sizes in tan, and significant effect sizes in light olive green). Number and percentages of attitude and demographic comparisons (including health, ability, and priority ratings) are shown below, both in terms of the $p \leq 0.00417$ alpha level and in terms of a $p \leq 0.05$ alpha level (which are not highlighted).
e. Pre-test means of sorted respondents who were negative changers, minimal changers, and positive changers (blue color).
f. Post-test means of sorted respondents who were negative changers, minimal changers, and positive changers (dark gray color).
g. Difference between pre-t and post-test means (post minus pre) of sorted respondents who were negative changers, minimal changers, and positive changers (dark olive green color).
h. Pre *t* test comparisons between the three pairwise comparisons (negative versus minimal changers, negative versus positive changers, and minimal versus positive changers) ratings, i.e., probabilities, *t* values, Cohen's *d* effect sizes (Cohen, 1988), and statistically significant Cohen's *d* effect sizes (pink color). Those comparisons that were significant at the alpha level of $p \leq 0.00417$ (.05/12) are shown in yellow highlight. Means, minimums, and maximums of the *t* values, all effect sizes, and significant effect sizes for the ratings comprising the three subscores (Beliefs, Self Reactions, and Obesity/Mental Illness) are shown at the bottom (color coded as *t* values in light blue, all effect sizes in tan, and significant effect sizes in light olive green). Also, the mean of three means is shown under the first column. Number and percentages of attitude and demographic comparisons

(including health, ability, and priority ratings) are shown below, both in terms of the $p \leq 0.00417$ alpha level and in terms of a $p \leq 0.05$ alpha level (which are not highlighted).

i. Post *t* test comparisons between the three pairwise comparisons (negative versus minimal changers, negative versus positive changers, and minimal versus positive changers) ratings, i.e., probabilities, *t* values, Cohen's *d* effect sizes, and statistically significant Cohen's *d* effect sizes (pink color). Those comparisons that were significant at the alpha level of $p \leq 0.00417$ (.05/12) are shown in yellow highlight. Means, minimums, and maximums of the *t* values, all effect sizes, and significant effect sizes for the ratings comprising the three subscores (Beliefs, Self Reactions, and Obesity/Mental Illness) are shown at the bottom (color coded as *t* values in light blue, all effect sizes in tan, and significant effect sizes in light olive green). Also, the mean of three means is shown under the first column. Number and percentages of attitude and demographic comparisons (including health, ability, and priority ratings) are shown below, both in terms of the $p \leq 0.00417$ alpha level and in terms of a $p \leq 0.05$ alpha level (which are not highlighted).

j. Negative, minimal, and positive changer group post scores corrected for regression to the mean using the formula Pre Value ± ((1 minus pre-post correlation) x Post minus Pre Difference). If a pre-to-post change for negative changers (sorted as the highest group) is zero or higher, then the correction is subtracted from the original pre score to obtain the corrected post score (light gray color). If a pre-to-post change for positive changers (sorted as the lowest group) is zero or lower, then the correction is added to the original pre score to obtain the corrected post score. Corrections are not applied to the minimal changer group; thus, their post scores are the same as the original post scores.

k. Negative, minimal, and positive changer group difference scores corrected for regression to the mean (original pre minus corrected post), except for minimal changers.

l. Positive changer minus negative changer differences after applying the correction for regression to the mean (yellow color). Plus values indicate that, overall, positive changer differences were greater than negative changer differences; minus values show that negative changer differences were greater than positive changer differences.

m. Atypical profiles where minimal changers had the highest ratings or scores of the three changer groups.

Figure S1. List of *POSHA–S* stuttering attitude items for the 2026 intervention group (Beliefs—blue and Self Reactions—tan) rank ordered from lowest to highest in terms of Cohen's d values for all pre-test versus post-test in the left column. These are followed by rank ordered Cohen's d values for three pair-wise change comparisons (negative change versus minimal change, negative change versus positive change, and minimal change versus positive change). The first page shows ranks for the pre-test; the second page shows ranks for the post-test.

Pre-test 1A:

Cohen's *d* Effect Size: Overall Pre v Post	Cohen's *d* Effect Size: Negative Change vs Minimal Change—Pre	Cohen's *d* Effect Size: Negative Change vs Positive Change—Pre	Cohen's *d* Effect Size: Minimal Change vs Positive Change—Pre
Other Stutterers	Knowledge Source: Doctors, Other Specialists	Impression: Stuttering	Stuttering Persons Known
Reject—Ghosts, Demons, Spirits*	Knowledge Source: Personal Experience	Reject—Make Joke*	Try to Ignore
Reject—Frightening Event*	Reject—Advise "Slow Down" or"Relax"*	Reject—Should Hide Stuttering*	Reject—Make Joke*
Reject—Virus or Disease*	Impression: Stuttering	Reject—Ghosts, Demons, Spirits*	I Should Help
Make Friends	Live Normal Life	Reject—Concern/Worry if Doctor Stuttered*	Reject—I Feel Pity*
Reject—Should Hide Stuttering*	Speech & Language Therapist	Do Job Requiring Good Judgment	Reject—Blame for Stuttering*
Speech & Language Therapist	Reject—Make Joke*	Stuttering Persons Known	Speech & Language Therapist
Do Job Requiring Good Judgment	Stuttering Persons Known	Speech & Language Therapist	Reject—I Feel Impatient*
Do Any Job	Knowledge Source: TV/Radio	Genetic	Make Friends
Reject—Blame for Stuttering*	I Feel Comfortable	Reject—I Feel Pity*	Reject—Nervous or Excitable*
Try to Ignore	Knowledge Source: Internet	Live Normal Life	Other Stutterers
Reject—I Feel Pity*	Make Friends	Make Friends	Genetic
Reject—Shy or Fearful*	Want to Stutter	Reject—Act of God*	Impression: Stuttering
Reject—Nervous or Excitable*	Reject—Concern/Worry if I Stuttered*	Reject—Advise "Slow Down" or"Relax"*	Live Normal Life
Live Normal Life	Reject—Ghosts, Demons, Spirits*	Reject—Fill in Words*	Reject—Concern/Worry if Neighbor Stuttered*
Genetic	Reject—I Feel Pity*	Other Stutterers	Amount Known: Stuttering
Reject—Learning or Habits*	Reject—Medical Doctor*	Want to Stutter	Reject—Ghosts, Demons, Spirits*
Reject—Concern/Worry if Sibling Stuttered*	Genetic	Reject—Frightening Event*	Reject—Fill in Words*
I Feel Comfortable	Reject—Should Hide Stuttering*	Reject—Blame for Stuttering*	Reject—Act of God*
Reject—Concern/Worry if Neighbor Stuttered*	Reject—Concern/Worry if Doctor Stuttered*	Reject—Concern/Worry if Neighbor Stuttered*	Reject—Medical Doctor*
Knowledge Source: Internet	Knowledge Source: Print Media	Reject—Medical Doctor*	Knowledge Source: School
Reject—Concern/Worry if Doctor Stuttered*	Reject—Act of God*	Try to Ignore	Reject—Concern/Worry if Doctor Stuttered*
Reject—Act of God*	Do Any Job	Knowledge Source: TV/Radio	Want to Stutter
Reject—I Feel Impatient*	Try to Ignore	Knowledge Source: Print Media	Reject—Should Hide Stuttering*
Reject—Advise "Slow Down" or"Relax"*	Reject—Blame for Stuttering*	I Should Help	Reject—Virus or Disease*
Stuttering Persons Known	Reject—Learning or Habits*	Reject—I Feel Impatient*	Reject—Advise "Slow Down" or"Relax"*
Impression: Stuttering	Other Stutterers	Knowledge Source: Personal Experience	Knowledge Source: Print Media
Amount Known: Stuttering	Reject—Fill in Words*	Reject—Nervous or Excitable*	Do Any Job
I Should Help	Reject—Concern/Worry if Neighbor Stuttered*	Amount Known: Stuttering	Knowledge Source: TV/Radio
Reject—Make Joke*	Reject—Concern/Worry if Sibling Stuttered*	Do Any Job	Reject—Concern/Worry if Sibling Stuttered*
Reject—Medical Doctor*	Reject—Virus or Disease*	Knowledge Source: Doctors, Other Specialists	Reject—Concern/Worry if I Stuttered*
Want to Stutter	Reject—Frightening Event*	Knowledge Source: Internet	Knowledge Source: Personal Experience
Reject—Concern/Worry if I Stuttered*	I Should Help	Reject—Concern/Worry if I Stuttered*	Reject—Learning or Habits*
Knowledge Source: Print Media	Reject—I Feel Impatient*	Reject—Virus or Disease*	Knowledge Source: Doctors, Other Specialists
Knowledge Source: School	Knowledge Source: School	Knowledge Source: School	Reject—Shy or Fearful*
Reject—Fill in Words*	Do Job Requiring Good Judgment	Reject—Concern/Worry if Sibling Stuttered*	Knowledge Source: Internet
Knowledge Source: Doctors, Other Specialists	Reject—Shy or Fearful*	I Feel Comfortable	Do Job Requiring Good Judgment
Knowledge Source: Personal Experience	Reject—Nervous or Excitable*	Reject—Learning or Habits*	Reject—Frightening Event*
Knowledge Source: TV/Radio	Amount Known: Stuttering	Reject—Shy or Fearful*	I Feel Comfortable

Post-test 1B:

Cohen's *d* Effect Size: Overall Pre v Post	Cohen's *d* Effect Size: Negative Change vs Minimal Change—Post	Cohen's *d* Effect Size: Negative Change vs Positive Change—Post	Cohen's *d* Effect Size: Minimal Change vs Positive Change—Post
Other Stutterers	Reject—Fill in Words*	Stuttering Persons Known	Knowledge Source: TV/Radio
Reject—Ghosts, Demons, Spirits*	Reject—Concern/Worry if I Stuttered*	Want to Stutter	Knowledge Source: Personal Experience
Reject—Frightening Event*	Reject—Concern/Worry if Neighbor Stuttered*	Knowledge Source: Internet	Reject—Make Joke*
Reject—Virus or Disease*	Reject—I Feel Pity*	Knowledge Source: Personal Experience	Reject—Act of God*
Make Friends	Stuttering Persons Known	I Feel Comfortable	Stuttering Persons Known
Reject—Should Hide Stuttering*	Speech & Language Therapist	Reject—I Feel Impatient*	Want to Stutter
Speech & Language Therapist	Genetic	Reject—Make Joke*	Reject—Concern/Worry if Sibling Stuttered*
Do Job Requiring Good Judgment	Knowledge Source: Print Media	Knowledge Source: TV/Radio	Reject—Should Hide Stuttering*
Do Any Job	Reject—Learning or Habits*	Speech & Language Therapist	Reject—Ghosts, Demons, Spirits*
Reject—Blame for Stuttering*	Reject—Frightening Event*	Reject—Concern/Worry if I Stuttered*	I Feel Comfortable
Try to Ignore	Reject—Make Joke*	Do Job Requiring Good Judgment	Reject—Concern/Worry if I Stuttered*
Reject—I Feel Pity*	Want to Stutter	Reject—Should Hide Stuttering*	Live Normal Life
Reject—Shy or Fearful*	Reject—Medical Doctor*	Reject—Concern/Worry if Neighbor Stuttered*	Make Friends
Reject—Nervous or Excitable*	Knowledge Source: Internet	Reject—I Feel Pity*	Knowledge Source: Internet
Live Normal Life	Knowledge Source: Personal Experience	Reject—Ghosts, Demons, Spirits*	Speech & Language Therapist
Genetic	Do Any Job	Reject—Concern/Worry if Sibling Stuttered*	Reject—Concern/Worry if Neighbor Stuttered*
Reject—Learning or Habits*	Reject—Advise "Slow Down" or"Relax"*	Reject—Frightening Event*	Try to Ignore
Reject—Concern/Worry if Sibling Stuttered*	Knowledge Source: TV/Radio	Make Friends	Do Any Job
I Feel Comfortable	Reject—Concern/Worry if Doctor Stuttered*	Do Any Job	Other Stutterers
Reject—Concern/Worry if Neighbor Stuttered*	Reject—Ghosts, Demons, Spirits*	Knowledge Source: Print Media	Reject—Shy or Fearful*
Knowledge Source: Internet	Reject—Shy or Fearful*	Reject—Shy or Fearful*	Impression: Stuttering
Reject—Concern/Worry if Doctor Stuttered*	Reject—Nervous or Excitable*	Reject—Act of God*	Do Job Requiring Good Judgment
Reject—Act of God*	Make Friends	Live Normal Life	Reject—Frightening Event*
Reject—I Feel Impatient*	Reject—Virus or Disease*	Reject—Fill in Words*	Reject—Blame for Stuttering*
Reject—Advise "Slow Down" or"Relax"*	Reject—I Feel Impatient*	Impression: Stuttering	Reject—I Feel Pity*
Stuttering Persons Known	Live Normal Life	Try to Ignore	Knowledge Source: Print Media
Impression: Stuttering	I Feel Comfortable	Reject—Medical Doctor*	Reject—I Feel Impatient*
Amount Known: Stuttering	Impression: Stuttering	Reject—Learning or Habits*	Reject—Concern/Worry if Doctor Stuttered*
I Should Help	Reject—Should Hide Stuttering*	Reject—Concern/Worry if Doctor Stuttered*	Reject—Virus or Disease*
Reject—Make Joke*	Try to Ignore	Other Stutterers	Knowledge Source: School
Reject—Medical Doctor*	Amount Known: Stuttering	Genetic	Knowledge Source: Doctors, Other Specialists
Want to Stutter	I Should Help	Reject—Nervous or Excitable*	Reject—Nervous or Excitable*
Reject—Concern/Worry if I Stuttered*	Reject—Concern/Worry if Sibling Stuttered*	Reject—Virus or Disease*	Reject—Medical Doctor*
Knowledge Source: Print Media	Other Stutterers	Amount Known: Stuttering	Reject—Fill in Words*
Knowledge Source: School	Reject—Act of God*	Knowledge Source: Doctors, Other Specialists	Amount Known: Stuttering
Reject—Fill in Words*	Knowledge Source: School	Reject—Advise "Slow Down" or"Relax"*	Reject—Learning or Habits*
Knowledge Source: Doctors, Other Specialists	Knowledge Source: Doctors, Other Specialists	I Should Help	I Should Help
Knowledge Source: Personal Experience	Reject—Blame for Stuttering*	Reject—Blame for Stuttering*	Genetic
Knowledge Source: TV/Radio	Do Job Requiring Good Judgment	Knowledge Source: School	Reject—Advise "Slow Down" or"Relax"*

Figure S2. List of *POSHA–S* stuttering attitude items for the 2026 control group (Beliefs—blue and Self Reactions—tan) rank ordered from lowest to highest in terms of Cohen's d values for all pre-test versus post-test in the left column. These are followed by rank ordered Cohen's d values for three pair-wise change comparisons (negative change versus minimal change, negative change versus positive change, and minimal change versus positive change). The first page shows ranks for the pre-test; the second page shows ranks for the post-test.

Pre-test 2A:

Cohen's *d* Effect Size: Overall Pre v Post	Cohen's *d* Effect Size: Negative Change vs Minimal Change—Pre	Cohen's *d* Effect Size: Negative Change vs Positive Change—Pre	Cohen's *d* Effect Size: Minimal Change vs Positive Change—Pre
Knowledge Source: TV/Radio	Amount Known: Stuttering	Stuttering Persons Known	Make Friends
Reject—Concern/Worry if Sibling Stuttered*	Knowledge Source: Internet	Genetic	Knowledge Source: Internet
Reject—Advise "Slow Down" or"Relax"*	Reject—Concern/Worry if Neighbor Stuttered*	Knowledge Source: Internet	Reject—Frightening Event*
Do Any Job	Try to Ignore	Reject—Medical Doctor*	I Feel Comfortable
I Should Help	Live Normal Life	Speech & Language Therapist	Stuttering Persons Known
Try to Ignore	Reject—Shy or Fearful*	Reject—Act of God*	Do Any Job
Amount Known: Stuttering	Reject—Concern/Worry if Doctor Stuttered*	Reject—Advise "Slow Down" or"Relax"*	Impression: Stuttering
Knowledge Source: Personal Experience	Reject—Blame for Stuttering*	Want to Stutter	Reject—I Feel Impatient*
Do Job Requiring Good Judgment	Stuttering Persons Known	Try to Ignore	Genetic
Reject—Medical Doctor*	Reject—Make Joke*	Make Friends	Knowledge Source: School
Stuttering Persons Known	Knowledge Source: TV/Radio	Reject—Fill in Words*	Reject—Ghosts, Demons, Spirits*
Reject—Learning or Habits*	Speech & Language Therapist	Live Normal Life	Want to Stutter
Knowledge Source: Doctors, Other Specialists	Make Friends	Reject—Frightening Event*	Try to Ignore
Reject—Should Hide Stuttering*	Reject—Ghosts, Demons, Spirits*	Reject—I Feel Pity*	Live Normal Life
Reject—Shy or Fearful*	Genetic	Reject—I Feel Impatient*	Reject—Make Joke*
Live Normal Life	Reject—I Feel Impatient*	Reject—Make Joke*	Knowledge Source: TV/Radio
Knowledge Source: Internet	Reject—Nervous or Excitable*	Knowledge Source: TV/Radio	Knowledge Source: Doctors, Other Specialists
Reject—Nervous or Excitable*	Reject—Concern/Worry if Sibling Stuttered*	Reject—Ghosts, Demons, Spirits*	Speech & Language Therapist
Reject—Ghosts, Demons, Spirits*	Reject—Should Hide Stuttering*	Reject—Concern/Worry if I Stuttered*	Reject—Nervous or Excitable*
Speech & Language Therapist	Reject—Virus or Disease*	Reject—Concern/Worry if Doctor Stuttered*	Other Stutterers
Reject—Act of God*	Reject—Learning or Habits*	Do Any Job	Reject—Concern/Worry if Doctor Stuttered*
Reject—Frightening Event*	Reject—Frightening Event*	Reject—Concern/Worry if Sibling Stuttered*	Reject—Should Hide Stuttering*
I Feel Comfortable	Other Stutterers	Impression: Stuttering	Reject—Blame for Stuttering*
Reject—I Feel Impatient*	Impression: Stuttering	Reject—Blame for Stuttering*	Do Job Requiring Good Judgment
Want to Stutter	Want to Stutter	I Feel Comfortable	Reject—Concern/Worry if Neighbor Stuttered*
Reject—Concern/Worry if Doctor Stuttered*	Reject—Fill in Words*	Reject—Concern/Worry if Neighbor Stuttered*	Reject—Act of God*
Impression: Stuttering	Reject—Concern/Worry if I Stuttered*	Reject—Nervous or Excitable*	Knowledge Source: Personal Experience
Knowledge Source: School	Reject—Act of God*	I Should Help	Reject—Fill in Words*
Reject—Blame for Stuttering*	Do Job Requiring Good Judgment	Knowledge Source: Print Media	Knowledge Source: Print Media
Reject—Concern/Worry if Neighbor Stuttered*	Do Any Job	Reject—Should Hide Stuttering*	Reject—Learning or Habits*
Genetic	Knowledge Source: Doctors, Other Specialists	Other Stutterers	Reject—Advise "Slow Down" or"Relax"*
Knowledge Source: Print Media	Reject—Advise "Slow Down" or"Relax"*	Knowledge Source: Doctors, Other Specialists	Reject—Concern/Worry if Sibling Stuttered*
Make Friends	I Feel Comfortable	Knowledge Source: School	Reject—Concern/Worry if I Stuttered*
Reject—Make Joke*	I Should Help	Reject—Virus or Disease*	Reject—Medical Doctor*
Reject—Fill in Words*	Knowledge Source: School	Reject—Learning or Habits*	Amount Known: Stuttering
Reject—Virus or Disease*	Reject—Medical Doctor*	Amount Known: Stuttering	Reject—Shy or Fearful*
Other Stutterers	Reject—I Feel Pity*	Reject—Shy or Fearful*	Reject—Virus or Disease*
Reject—I Feel Pity*	Knowledge Source: Personal Experience	Knowledge Source: Personal Experience	Reject—I Feel Pity*

Post-test 2B:

Cohen's *d* Effect Size: Overall Pre v Post	Cohen's *d* Effect Size: Negative Change vs Minimal Change—Post	Cohen's *d* Effect Size: Negative Change vs Positive Change—Post	Cohen's *d* Effect Size: Minimal Change vs Positive Change—Post
Reject—Concern/Worry if I Stuttered*	Live Normal Life	Reject—I Feel Impatient*	Knowledge Source: Print Media
Knowledge Source: TV/Radio	I Should Help	Reject—Concern/Worry if Neighbor Stuttered*	Reject—Learning or Habits*
Reject—Concern/Worry if Sibling Stuttered*	Knowledge Source: TV/Radio	I Should Help	Make Friends
Reject—Advise "Slow Down" or"Relax"*	I Feel Comfortable	Impression: Stuttering	Stuttering Persons Known
Do Any Job	Make Friends	Make Friends	Reject—I Feel Impatient*
I Should Help	Reject—I Feel Impatient*	Live Normal Life	Reject—Make Joke*
Try to Ignore	Stuttering Persons Known	Speech & Language Therapist	I Should Help
Amount Known: Stuttering	Knowledge Source: Doctors, Other Specialists	Knowledge Source: Personal Experience	Amount Known: Stuttering
Knowledge Source: Personal Experience	Reject—Virus or Disease*	Reject—Act of God*	Live Normal Life
Do Job Requiring Good Judgment	Speech & Language Therapist	Want to Stutter	Knowledge Source: Doctors, Other Specialists
Reject—Medical Doctor*	Do Job Requiring Good Judgment	Stuttering Persons Known	Knowledge Source: School
Stuttering Persons Known	Impression: Stuttering	Reject—Should Hide Stuttering*	Reject—Ghosts, Demons, Spirits*
Reject—Learning or Habits*	Other Stutterers	Try to Ignore	Reject—Concern/Worry if Doctor Stuttered*
Knowledge Source: Doctors, Other Specialists	Reject—Make Joke*	Other Stutterers	Knowledge Source: Personal Experience
Reject—Should Hide Stuttering*	Knowledge Source: Personal Experience	Amount Known: Stuttering	Knowledge Source: Internet
Reject—Shy or Fearful*	Reject—Frightening Event*	Reject—Make Joke*	Reject—Virus or Disease*
Live Normal Life	Amount Known: Stuttering	Knowledge Source: Doctors, Other Specialists	Reject—Should Hide Stuttering*
Knowledge Source: Internet	Want to Stutter	Reject—Fill in Words*	Want to Stutter
Reject—Nervous or Excitable*	Reject—Should Hide Stuttering*	Reject—Advise "Slow Down" or"Relax"*	Reject—Concern/Worry if I Stuttered*
Reject—Ghosts, Demons, Spirits*	Knowledge Source: Print Media	Genetic	Impression: Stuttering
Speech & Language Therapist	Reject—Ghosts, Demons, Spirits*	Reject—Virus or Disease*	Reject—Fill in Words*
Reject—Act of God*	Try to Ignore	Reject—Medical Doctor*	Reject—Nervous or Excitable*
Reject—Frightening Event*	Knowledge Source: Internet	Knowledge Source: Print Media	Speech & Language Therapist
I Feel Comfortable	Reject—Learning or Habits*	Reject—I Feel Pity*	Reject—Blame for Stuttering*
Reject—I Feel Impatient*	Do Any Job	Reject—Blame for Stuttering*	Try to Ignore
Want to Stutter	Reject—Concern/Worry if Neighbor Stuttered*	Reject—Concern/Worry if Sibling Stuttered*	Reject—Medical Doctor*
Reject—Concern/Worry if Doctor Stuttered*	Reject—Fill in Words*	Reject—Learning or Habits*	Other Stutterers
Impression: Stuttering	Reject—Concern/Worry if Doctor Stuttered*	Knowledge Source: TV/Radio	Do Job Requiring Good Judgment
Knowledge Source: School	Reject—Act of God*	Reject—Concern/Worry if I Stuttered*	Reject—Act of God*
Reject—Blame for Stuttering*	Reject—Shy or Fearful*	Reject—Ghosts, Demons, Spirits*	Reject—Concern/Worry if Sibling Stuttered*
Reject—Concern/Worry if Neighbor Stuttered*	Knowledge Source: School	I Feel Comfortable	Reject—Concern/Worry if Neighbor Stuttered*
Genetic	Reject—Medical Doctor*	Knowledge Source: Internet	Knowledge Source: TV/Radio
Knowledge Source: Print Media	Reject—Blame for Stuttering*	Do Job Requiring Good Judgment	I Feel Comfortable
Make Friends	Reject—Concern/Worry if I Stuttered*	Reject—Concern/Worry if Doctor Stuttered*	Reject—Frightening Event*
Reject—Make Joke*	Genetic	Knowledge Source: School	Reject—Shy or Fearful*
Reject—Fill in Words*	Reject—Concern/Worry if Sibling Stuttered*	Reject—Frightening Event*	Reject—Advise "Slow Down" or"Relax"*
Reject—Virus or Disease*	Reject—Advise "Slow Down" or"Relax"*	Reject—Shy or Fearful*	Do Any Job
Other Stutterers	Reject—I Feel Pity*	Do Any Job	Reject—I Feel Pity*
Reject—I Feel Pity*	Reject—Nervous or Excitable*	Reject—Nervous or Excitable*	Genetic