



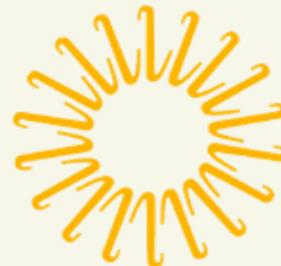
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Guardians 4 Health

A Bystander Intervention Curriculum for 4-H Shooting Sports-Involved Youth

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Disclosures

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(Ranney) Senior Strategic Advisor, AFFIRM at the Aspen Institute;
Board Member, Research Society for the Prevention of Firearm-Related Harms;
Board Member, NonViolence Institute (all unpaid)



The "Why"

Firearm injury was leading cause of death for American youth in 2023; similar death rates in rural and urban communities

More than 1/3 of American youth live in a home with a firearm

Firearm injury is preceded by identifiable, modifiable risk factors

Bystander interventions work to change intention & risk behavior



Evidence for approaches **that are acceptable to–let alone designed with– the firearm-owning community** remains limited.



Our Collaborators: 4H Shooting Sports Clubs



Liv Green

MISSISSIPPI









The Study

A cluster randomized trial of a
**bystander intervention firearm injury
prevention curriculum** for youth
ages 12-18 in 4-H Shooting Sports
Clubs nationwide

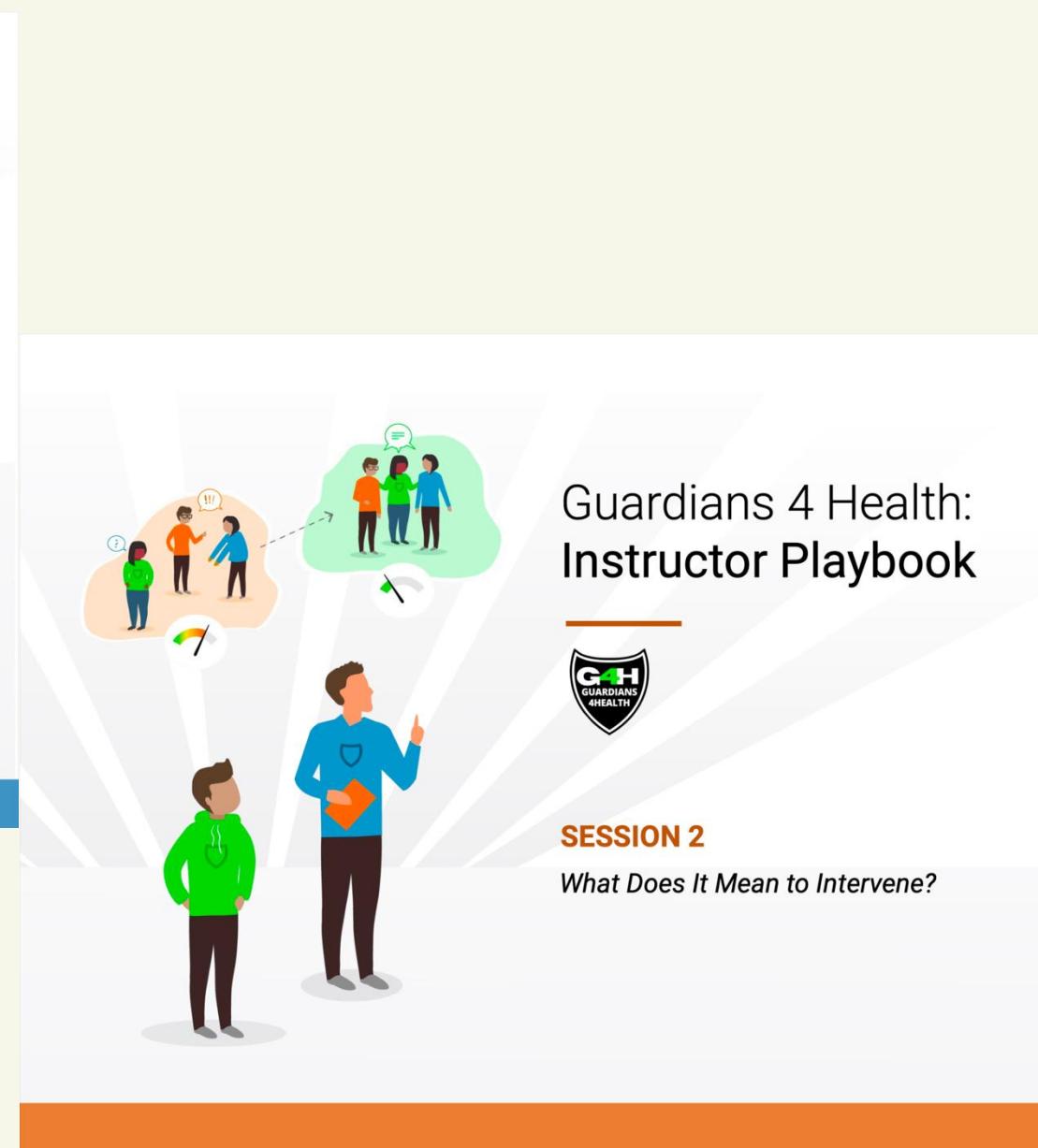




Curriculum was **designed** in collaboration with 4-H leadership, instructors, youth, and parents.



Three, one-hour, interactive sessions, co-taught by study staff and 4-H Shooting Sports instructors.



Session 1

Why are we here?

- Introduces G4H
- Presents firearm injury data of all types
- Explains why 4-H youth are role models for firearm injury prevention
- Includes an interactive quiz with stories of peers safely reducing firearm injury risk

Session 2

What does it mean to intervene?

- Explores risks for firearm injury
- Introduces 5 steps to taking action
- Outlines direct and indirect ways that you can help others be safer
- Discusses personal values and shared responsibility

Session 3

What would you do?

- Addresses potential barriers to action and ways to overcome them
- Offers hands on practice of the skills and strategies learned via realistic interactive scenarios

SITE RECRUITMENT

- Letter
- Flyer
- Presentations
- Testimonials
- Eligibility interviews

RANDOMIZATION

- Rurality
- State Child Access Prevention (CAP) law

FAMILY RECRUITMENT

- Online enrollment over 8 weeks
- Baseline survey

INTERVENTION

- Three one-hour sessions
- Remote delivery
- Evaluation forms

FOLLOW-UPS

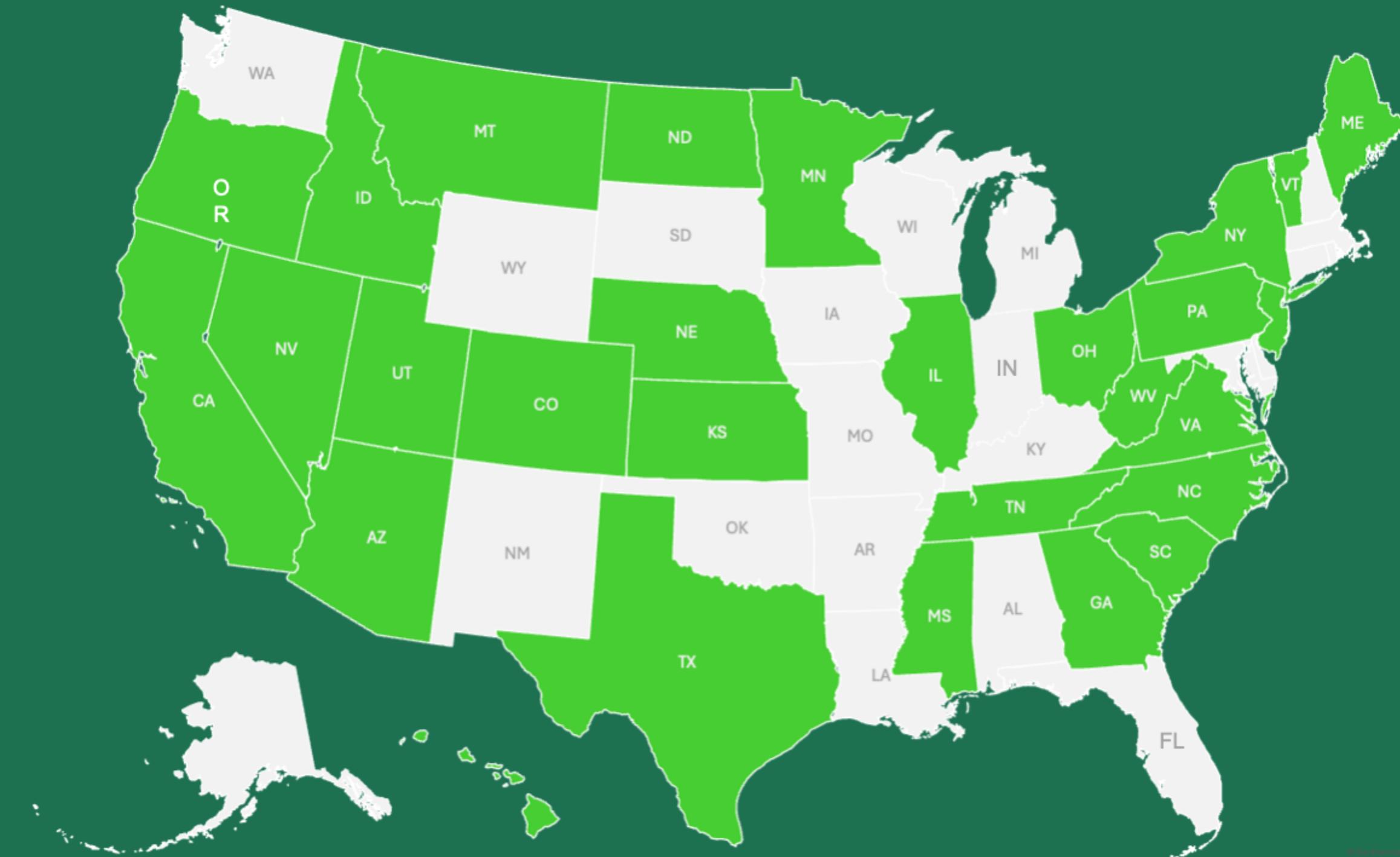
- 3 month survey
- 6 month survey
- Interviews at 6 months

Began
June 2022

Finished Sept
2024



50 sites in 28 states



Youth

	Youth (n=424)	
	G4H (n=250)	Control (n=174)
Median age (SD)	14 (13, 16)**	15 (13, 16)**
Male	58%	50%
White	85%*	82%*
Hispanic	2.0%	3.5%
Guns in Home	90%	84%

Parents

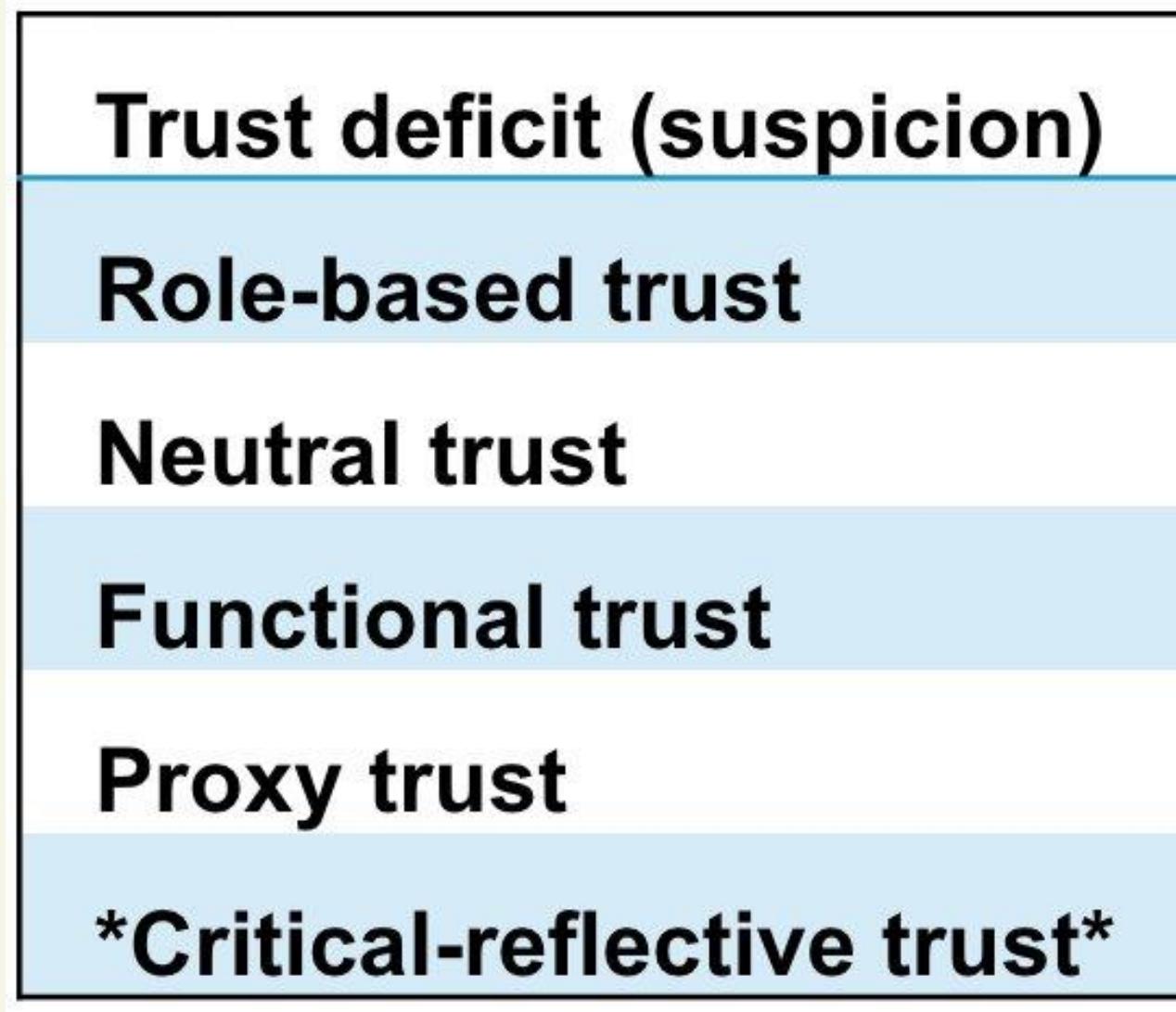
	Parents (n=303)	
	G4H (n=179)	Control (n=124)
Veteran	4.4%	7.0%
Fairly/very well off	81%	85%
College grad	43%***	63%***
Employed	86%	89%
Married/partnered	90%	90%



Results

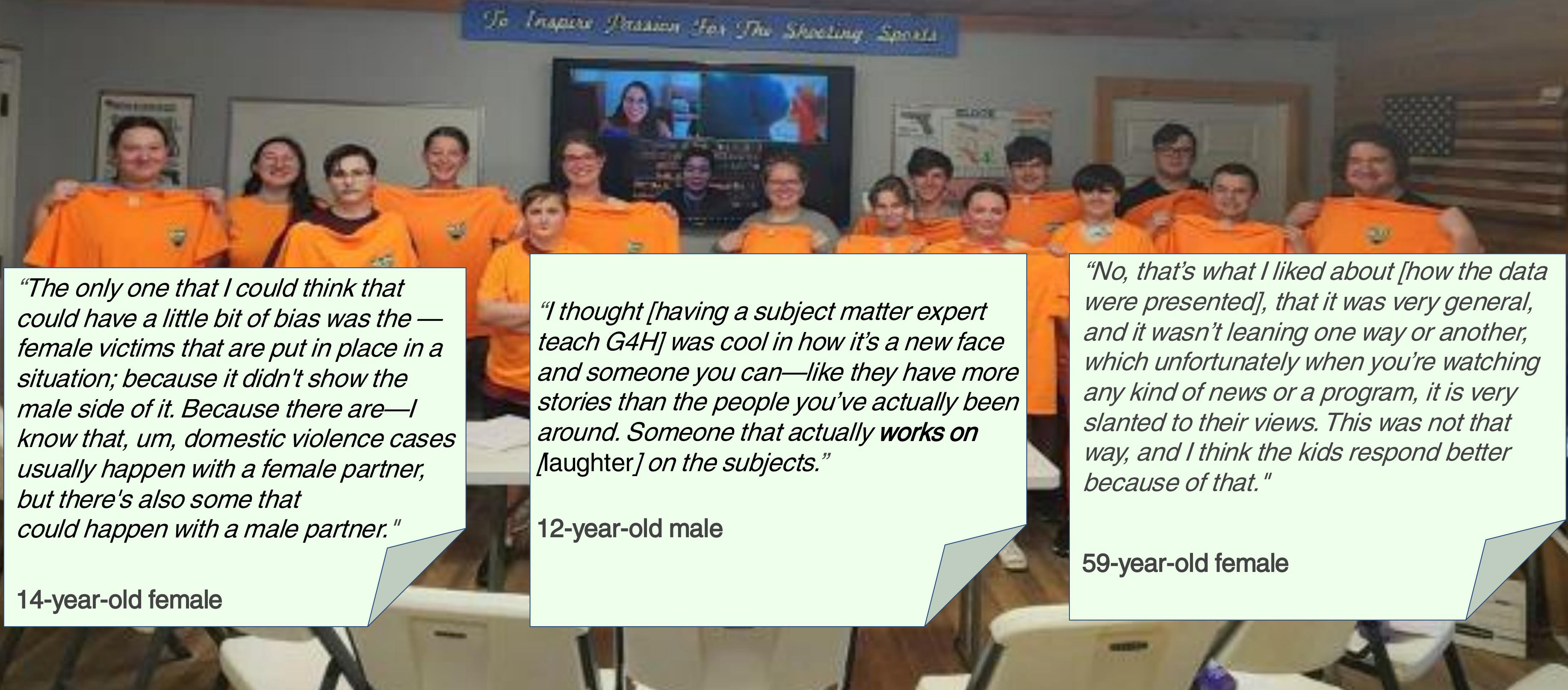
Qualitative and quantitative data **support acceptability** amongst both youth and club leaders in 4H Shooting Sports Clubs.

Qualitative data support **increased knowledge, engagement, and self-efficacy** from participating in the Guardians 4 Health intervention



¹Lucero, Julie Ermalinda. "Trust as an Ethical Construct in Community Based Participatory Research Partnerships.." (2013).
https://digitalrepository.unm.edu/cj_etds/43

Trust is at the place where mistakes and other issues resulting from differences can be talked about and resolved.



"The only one that I could think that could have a little bit of bias was the — female victims that are put in place in a situation; because it didn't show the male side of it. Because there are—I know that, um, domestic violence cases usually happen with a female partner, but there's also some that could happen with a male partner."

14-year-old female

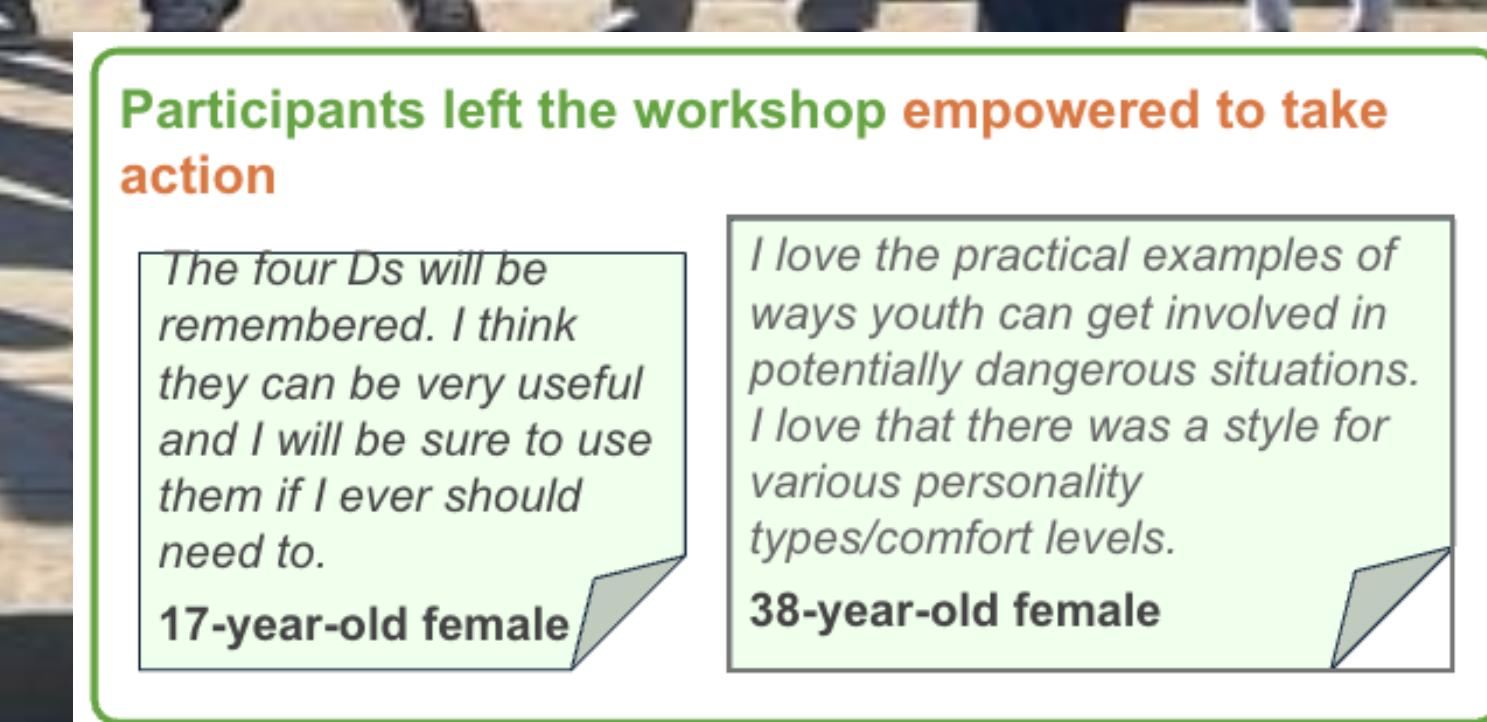
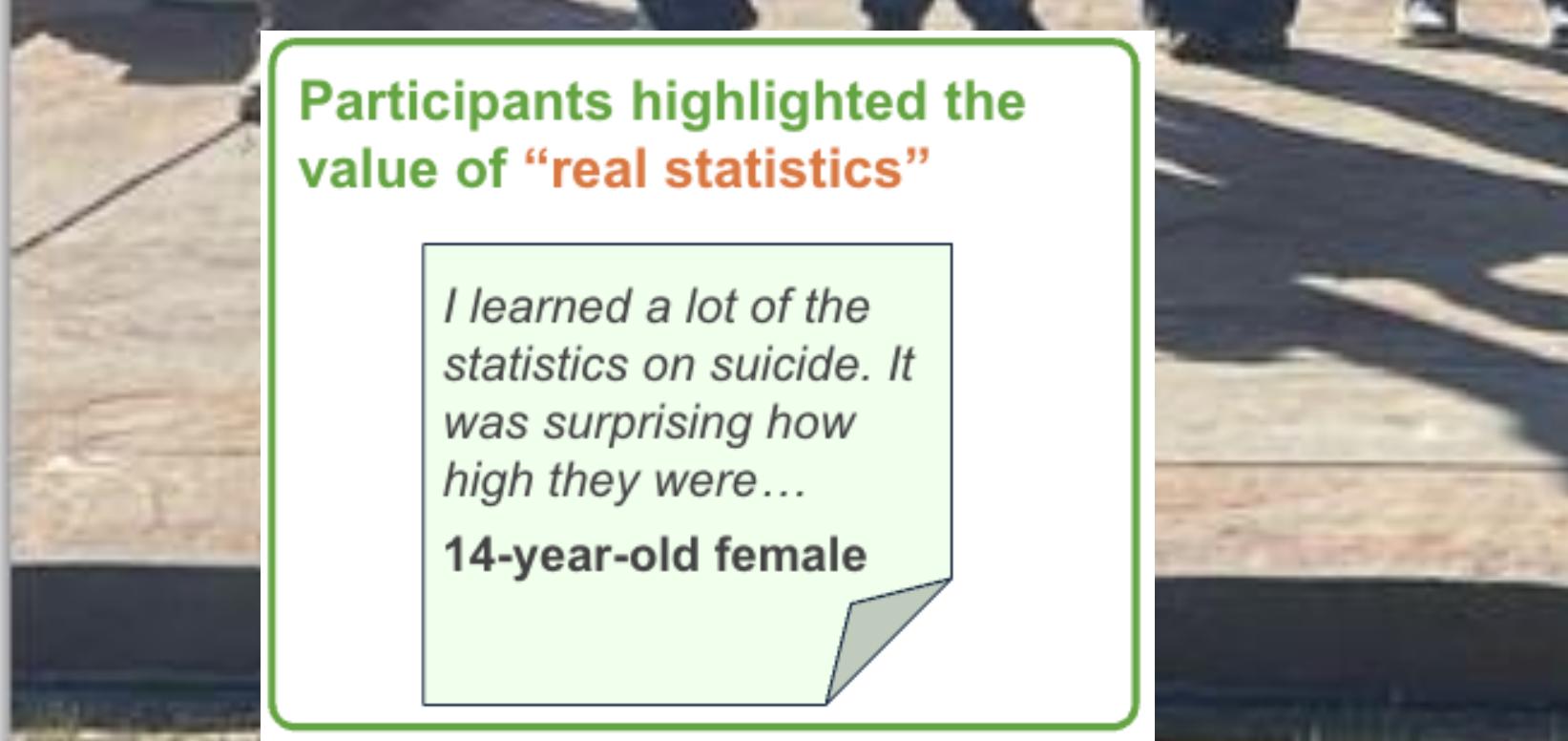
"I thought [having a subject matter expert teach G4H] was cool in how it's a new face and someone you can—like they have more stories than the people you've actually been around. Someone that actually works on [laughter] on the subjects."

12-year-old male

"No, that's what I liked about [how the data were presented], that it was very general, and it wasn't leaning one way or another, which unfortunately when you're watching any kind of news or a program, it is very slanted to their views. This was not that way, and I think the kids respond better because of that."

59-year-old female

Increased knowledge, engagement, and self-efficacy



Feasibility & Acceptability

Youth

	Informative (1-5)			Interesting (1-5)		
	S1	S2	S3	S1	S2	S3
Mean (SD)	4.6 (0.7)	4.5 (0.7)	4.3 (0.9)	4.1 (0.8)	4.2 (0.8)	4.1 (0.9)

Instructors

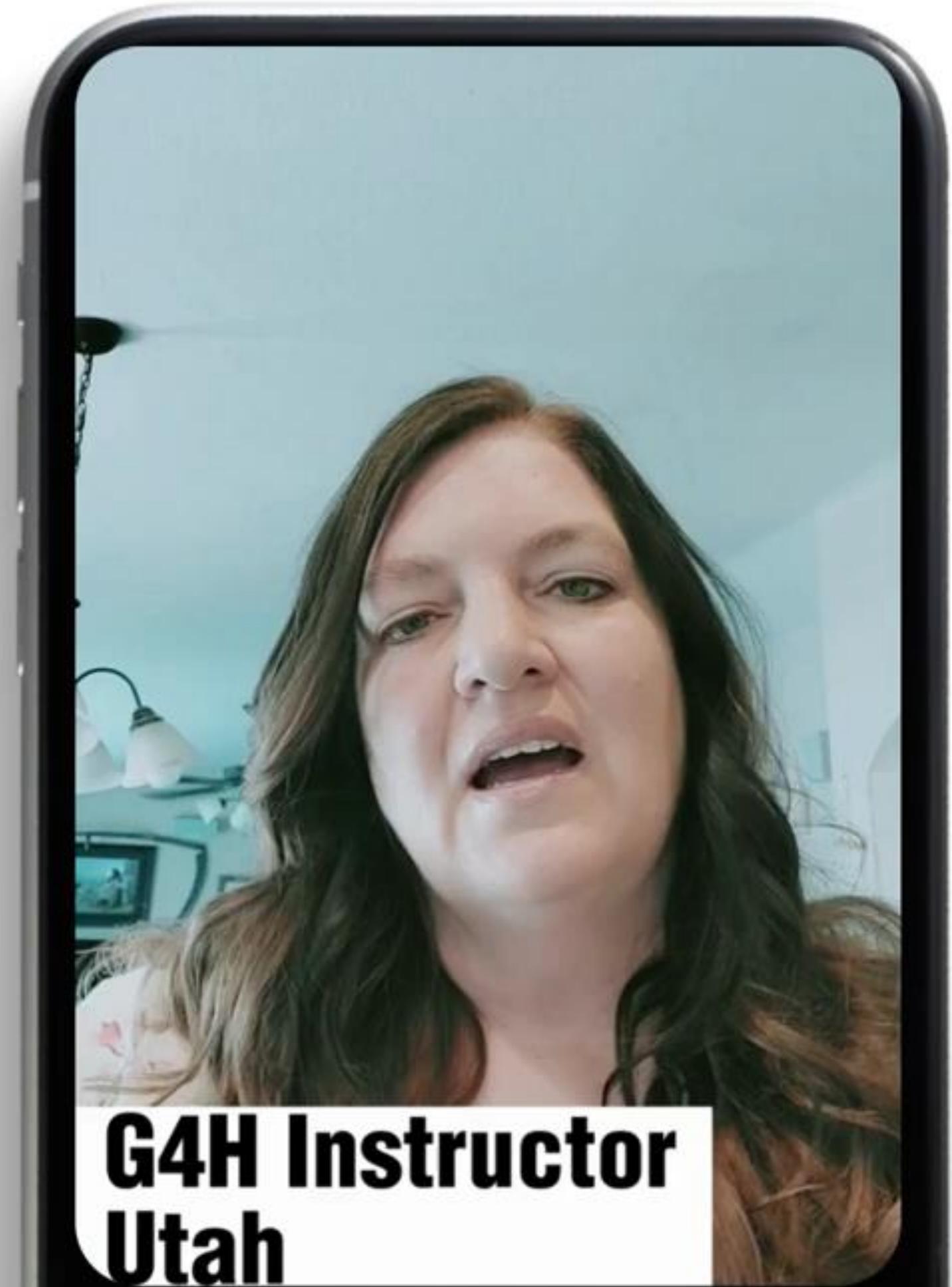
	Received (1-5)			Delivered (1-5)			Recommend
	S 1	S 2	S 3	S 1	S 2	S 3	S 3
Mean (SD)	4.5 (0.5)	4.6 (0.6)	4.3 (1.0)	4.4 (0.7)	4.4 (0.8)	4.3 (1.0)	5.0 (1.6)



Final outcomes are currently under review,
but (rumor has it)
knowledge increased substantively for 6+
months,
and **bystander intervention intention**
increased for a short period of time.



**G4H Instructor
Utah**





Next stop...
OREGON!





SHOT SHOW



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**project
unloaded**

•C• **COMPASS
YOUTH
collaborative**

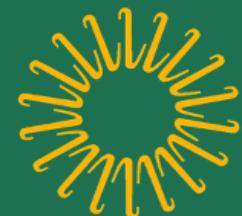




THANK YOU!

Core Research Team

- Nicole Nugent
- Todd Kesner
- Mary Vriniotis
- Katrina Nelson
- Jenn Leano
- John Patena
- Tony Tong
- Michelle Haikalis
- Lindsay Orchowski
- Craven Hudson



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Consultants

- Chris Barsotti
- Jessica Fishman
- Rinad Beidas
- Emmy Betz
- Amy Bucher
- MadPow Inc

4-H MVPs

- Lisa Muzzey
- Scott Stuhr
- Conrad Arnold
- Mike Yoder
- Russell Hill
- Erik Schroeder
- All the site leaders!!

RAs/Interns

- Wilson Zhang
- Alannah Clarke
- Amira Silverman
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- Leah Salzano
- Jordan Abelson
- Alexandra Webster
- Christian Hoover
- Devon Newman
- Carson Ferrara

