Stanford REACH Lab's Safety First: A Comprehensive, Harm Reduction-based, Drug Intervention Curriculum for Middle and High school Students

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REACH Lab safetyfirst

PRESENTER DISCLOSURES

Stanford REACH LAB's Safety First: A Comprehensive, Harm Reduction-based, Drug
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"No relationships to disclose"

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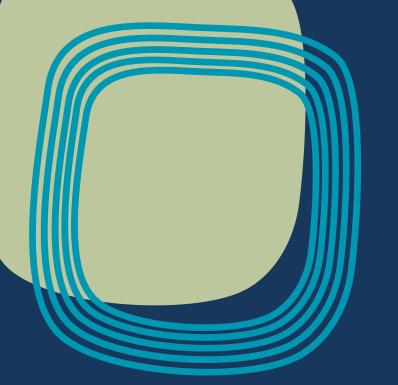






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Stanford's Land Acknowledgement

"We recognize that Stanford sits on the ancestral land of the Muwekma Ohlone Tribe. This land was and continues to be of great importance to the Ohlone people. Consistent with our values of community and inclusion, we have a responsibility to acknowledge, honor, and make visible the University's relationship to Native peoples."

Labor Acknowledgement

The United States was built on the exploited labor of kidnapped Africans. Our country's culture, economic growth, and development stem from the labor of enslaved Africans and their descendants, who suffered through trans-Atlantic trafficking, chattel slavery, and Jim Crow. We honor this labor, recognizing that our nation was established by enslaved individuals brought from Africa and the ongoing contributions of their descendants. We also acknowledge all migrant and indigenous labor, including voluntary, involuntary, trafficked, forced, and undocumented individuals who have helped build the country and continue to contribute to our workforce.





REACH Lab

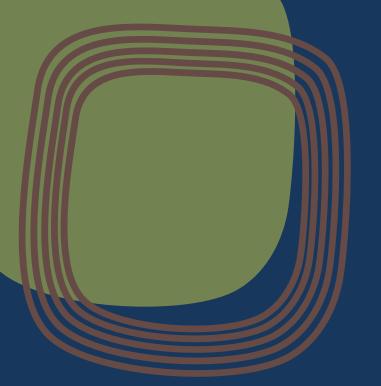
Research and Education to Empower

Adolescents and Young Adults to

Choose Health

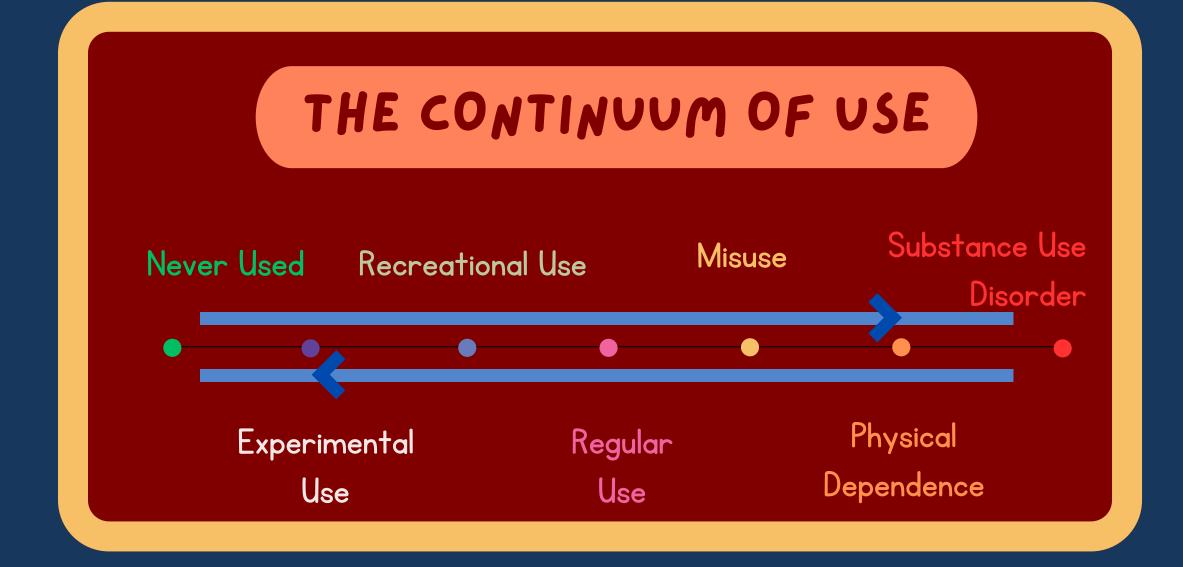
The **Stanford REACH Lab** includes staff, researchers, consultants, and the **Youth Action Board (YAB)** of high school and college students nationwide who are dedicated to changing the culture of substance use, empowering youth in health, and advocating for policy change.





Drug Use Stigma & Health Equity

When discussing the negative effects of substance use, such as cannabis, fentanyl, or other drugs, we do not shame, judge, or hold negative perceptions of individuals who may use these substances. We acknowledge that stigma is a significant obstacle to accessing quality healthcare for people who use drugs.









safety first

Person-centered Drug Education

A Comprehensive, Harm-Reduction Based, Drug Intervention Curriculum

Mental Health and Self-Medication

- We may respond by choosing activities that we think will help us reduce the stress like using drugs.
- Self-medication is when someone uses substances to repeatedly and consistently deal with stress, anxiety, or other mental health issues







We create curricula based on how adolescents learn and make decisions based on factual science. We keep teens safe by empowering them to make informed choices and meeting them where they are.









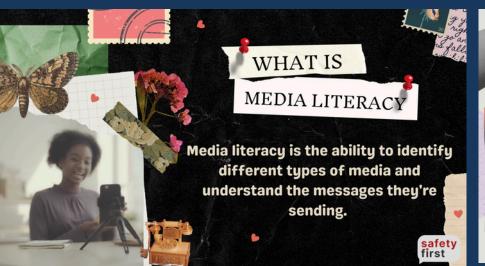
Safety First is comprised of 13 lessons on alcohol, fentanyl/opioids, hallucinogens, and other drugs.

Safety First Does:

- See sobriety or no-use as an important and primary strategy in reducing drug harms.
- Empower teens to make healthier choices by providing them with accurate information.
- Recognize that some teens will try drugs.
- Encourage teens to take steps to reduce the potential harms of drug use.

Safety First Does Not:

- Encourage or condone teen drug use.
- Teach teens how to use drugs
- Judge teens who use drugs.

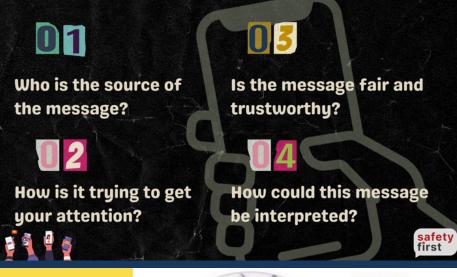




· Don't mix amphetamines with other drugs unpredictable effects and the risk of harm is prescription drugs with others.





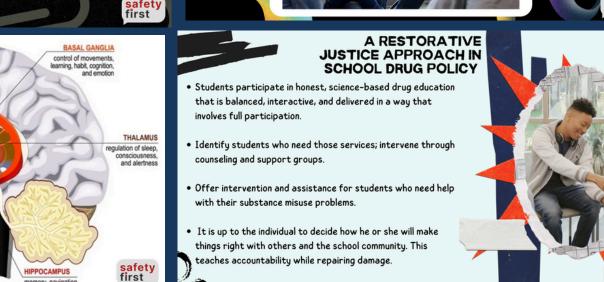


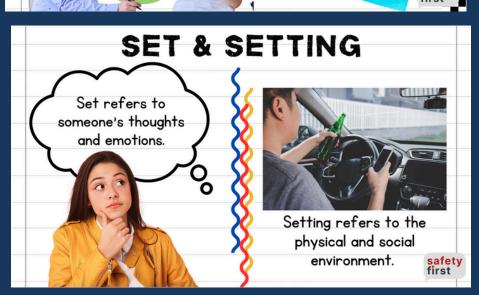
ADOLESCENT

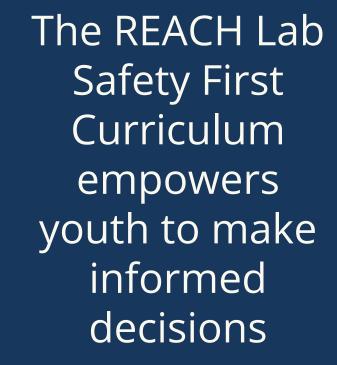
BRAIN

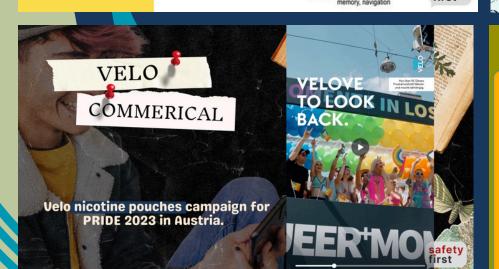












Reducing Harm among those using opioids

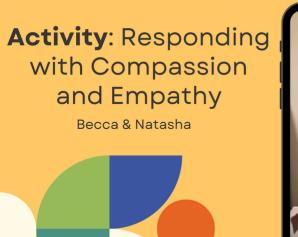
Dose and Dosage

- Using opioids not prescribed by a doctor is risky because they sometimes have other substances added
- For example, some people have overdosed and died after unknowingly using heroin laced with the much stronger drug fentanyl
- Even using opioids for a medical purpose with a prescription can be dangerous
- 1.DO NOT use opioids unless they've been prescribed to you. 2.DO NOT give others your
- 3. Use opioids ONLY according to a doctor's direction (dose and dosage)
- 4. Be aware of ordering drugs online that could be











Healthy Options for Coping with Stress



What did you see here?

What is really happening?

How relatable is this skit?

Both characters in the video

characters' messages would you find most helpful if you

were Sarah? Why is that?

vour friend?

What can you do about the

situation with Sarah if she was























Activity: Responding with Compassion and **Empathy**

Becca & Natasha





uses drugs... and

offered you some?

What stresses may cause people your age to consider selfmedicating?

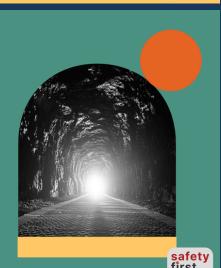
Why might teens turn to drugs to cope with these stresses?

Why might a teen who uses drugs to selfmedicate have a hard time asking for help?

Move through your own tunnel

Your stress may make you **feel like you** are moving through a dark tunnel.

mportant to take notice of what is aking your body into this stressful state.



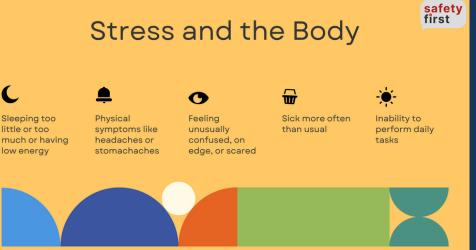
Lab Youth **Action Board** developed this lesson!

The REACH



Box breathing can help:

- > reduce stress
- > improve mood
- > control emotions





Analyze where the stress is coming from and make the journey to a healthier you!





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The goals of this evaluation are to:

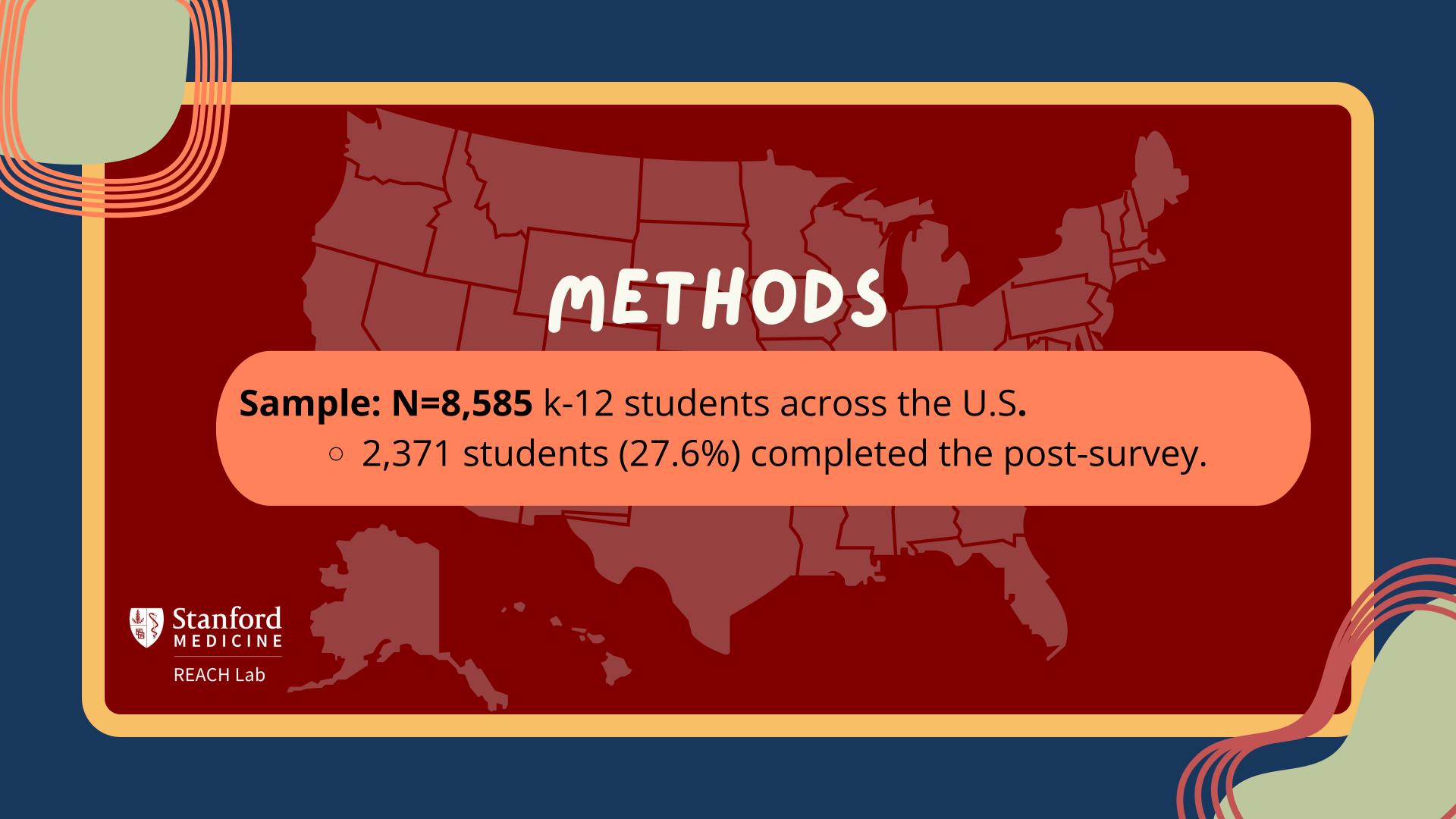
- Describe the reach of the SF curriculum
- Determine whether Safety First changes students' attitudes and knowledge



SAFETY FIRST - REACH

Since the release of <u>Safety First</u>, our team has reached **305,665 youth**, conducted over **57 trainings**, and **trained over 1,961 educators** on this curriculum.





METHODS-DATA DASHBOARD

Data Collection:

- The Safety First curriculum includes a Data Dashboard for online registration by schools and teachers. This gathers data on the types of schools (e.g., middle, high, colleges, universities) and their classrooms and teachers using Safety First. It also features pre- and post-curriculum surveys for students.
- The Data Dashboard enables educators and the Stanford REACH
 Lab team to track data on curriculum use rates. The study was
 deemed as program evaluation and not human subjects research by
 the IRB at Stanford University and thus was not subject to further
 IRB review.





 Perceptions of drugs real and perceived risks and benefits; knowledge of drug health effects; intentions to use





- Descriptive and Independent samples t-tests
- 1-tailed significance determined at p<0.05



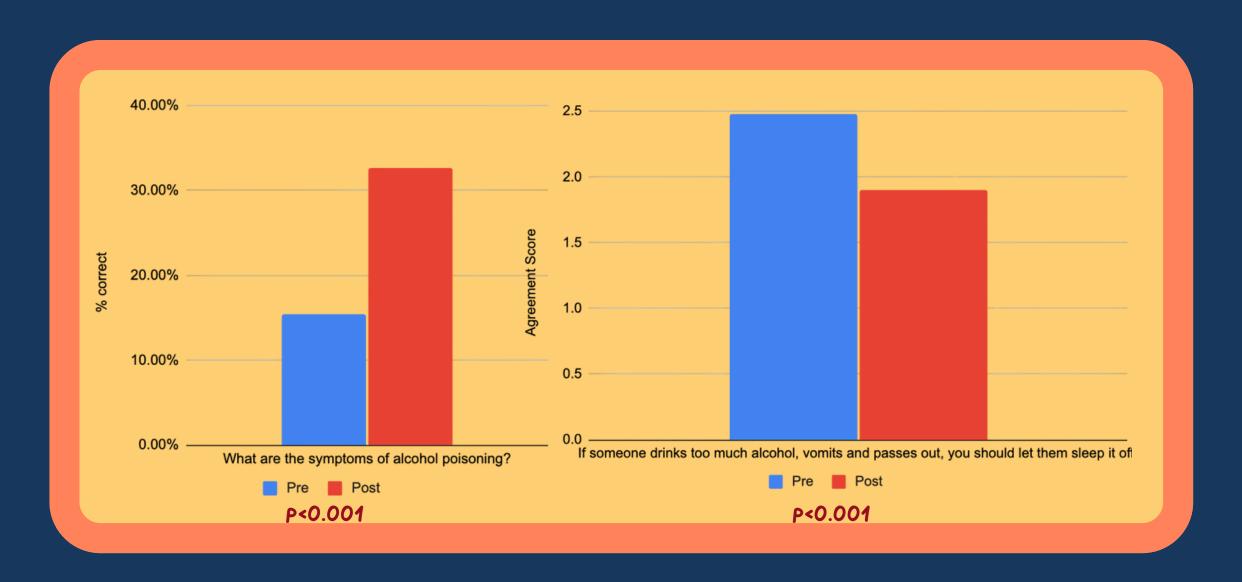
Preliminary Results: Changes in Perceptions



After the curriculum, students were more likely to agree that the safest path for teens is to avoid drugs (p<0.001) and that young people need strategies to stay safe when encountering drugs (p=0.014).

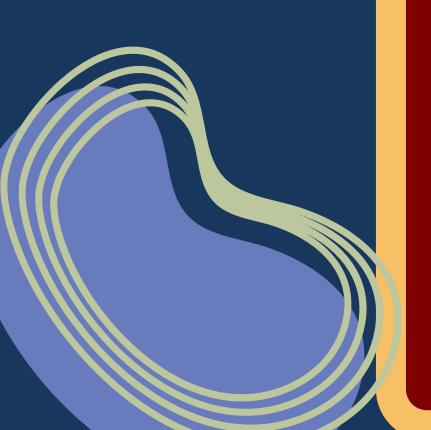
- More likely to perceive single-use ("disposable") vaping products as harmful to the environment (p<0.001).
 - More likely to perceive occasional use of cannabis as harmful to their health (p=0.027).
- Less likely to agree that it is safe to use Adderall and other prescription stimulants to stay awake and study (p<0.001).

Preliminary Results: Changes in Knowledge



After completing the curriculum, students were more likely to correctly identify signs of alcohol poisoning (p < 0.001), with a 17.2% increase in correct responses from the pre-test to the post-test.

After completing the curriculum, students were also less likely to agree that you should let someone sleep it off in the event of alcohol poisoning (p<0.001).



Limitations

- Updating data dashboard
 - Fixing "bugs" in data collection
 - Updating survey questions with appropriate response scales
- Ceiling effects
 - Students' knowledge/perception may have good knowledge of general druguse.
- Non-significant results for perceptions of harm related to daily cannabis use.
- Educator and student bandwidth to complete 13 lessons

Conclusions

- A harm reduction-based curriculum such as Safety First offers a holistic approach to teaching middle and high school students about drug use in an engaging and nonjudgemental way.
- Safety First provides youth with scientifically accurate information to empower them to quit and/or reduce harm should they choose to continue to use.

Thank You for Listening

The Stanford REACH Lab aims to expand and enrich our partnerships worldwide to advance global health equity.



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