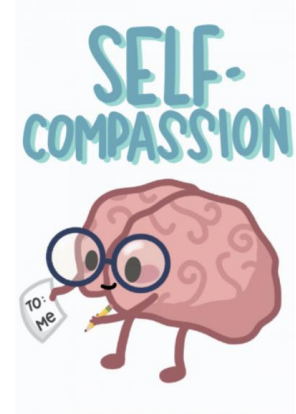
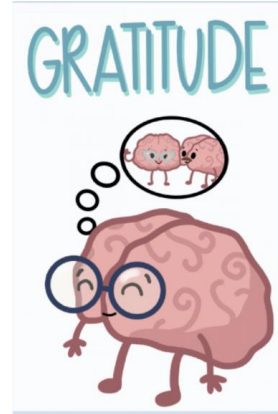
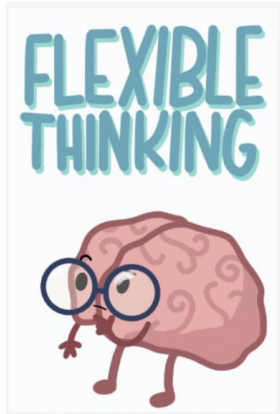


The Common Elements Toolbox (COMET): A Single-session Intervention for Resilience, Mental Health, and Wellbeing



Akash Wasil
University of Pennsylvania

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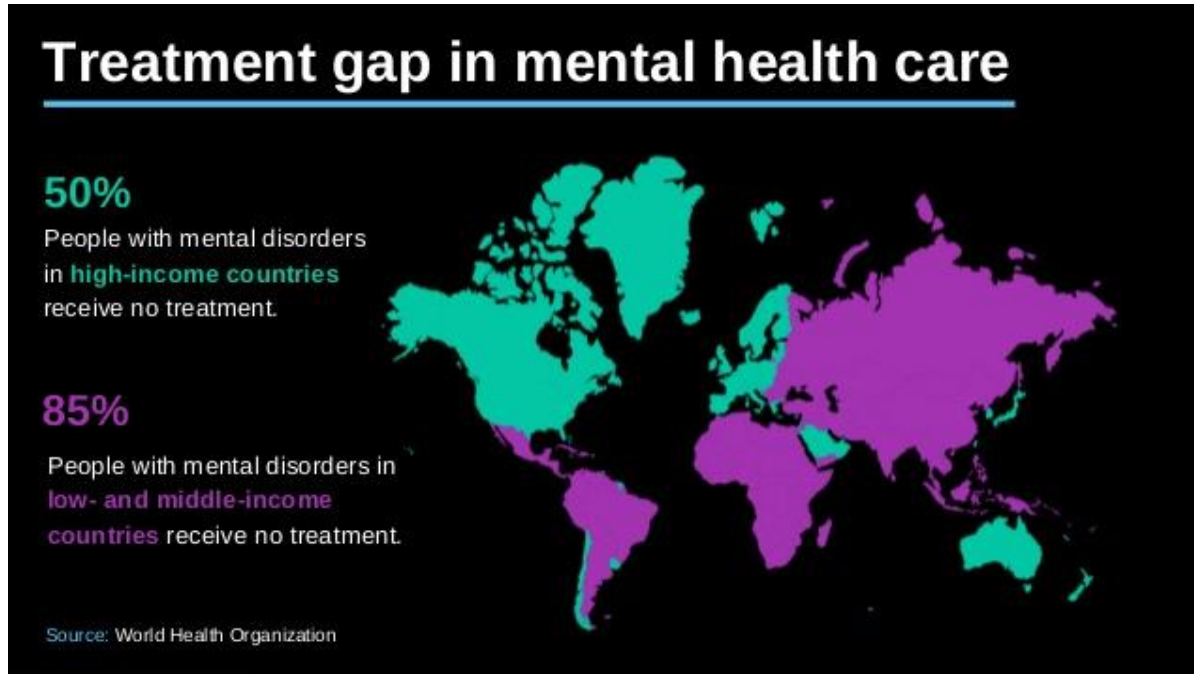


Overview

- What do we know about technology-based interventions?
- What is COMET, and why did we develop it?
- What results have we obtained so far?

Treatment Gap

- Most people in need of mental health services do not receive them.



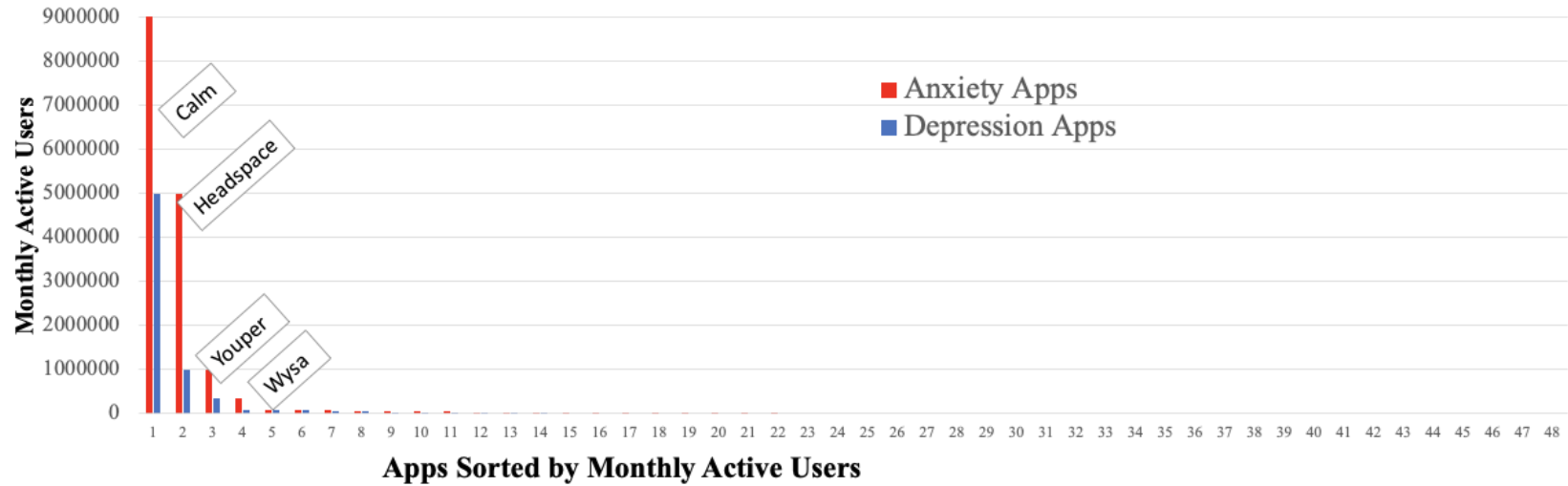
Digital interventions

- Digital self-help interventions are effective for common mental health problems

JAMA Psychiatry | [Original Investigation](#) | META-ANALYSIS

Efficacy of Self-guided Internet-Based Cognitive Behavioral Therapy in the Treatment of Depressive Symptoms **A Meta-analysis of Individual Participant Data**

Mental Health Apps



Single-session interventions

- Some interventions have demonstrated effects in a single session

A single-session growth mindset intervention for adolescent anxiety and depression: 9-month outcomes of a randomized trial

Jessica Schleider and John Weisz

Harvard University – Psychology, Cambridge, MA, USA

Three Goals when Developing our Interventions

- Evidence-based
 - Common elements approach (Chorpita et al., 2005)
- Not redundant with existing interventions
 - Reviews of the publicly available digital mental health interventions (Wasil et al., 2019; Wasil et al., 2020a)
- Culturally and contextually appropriate
 - Interviews and focus groups with target population (Wasil et al., 2020b)

Cultural adaptation for Indian adolescents

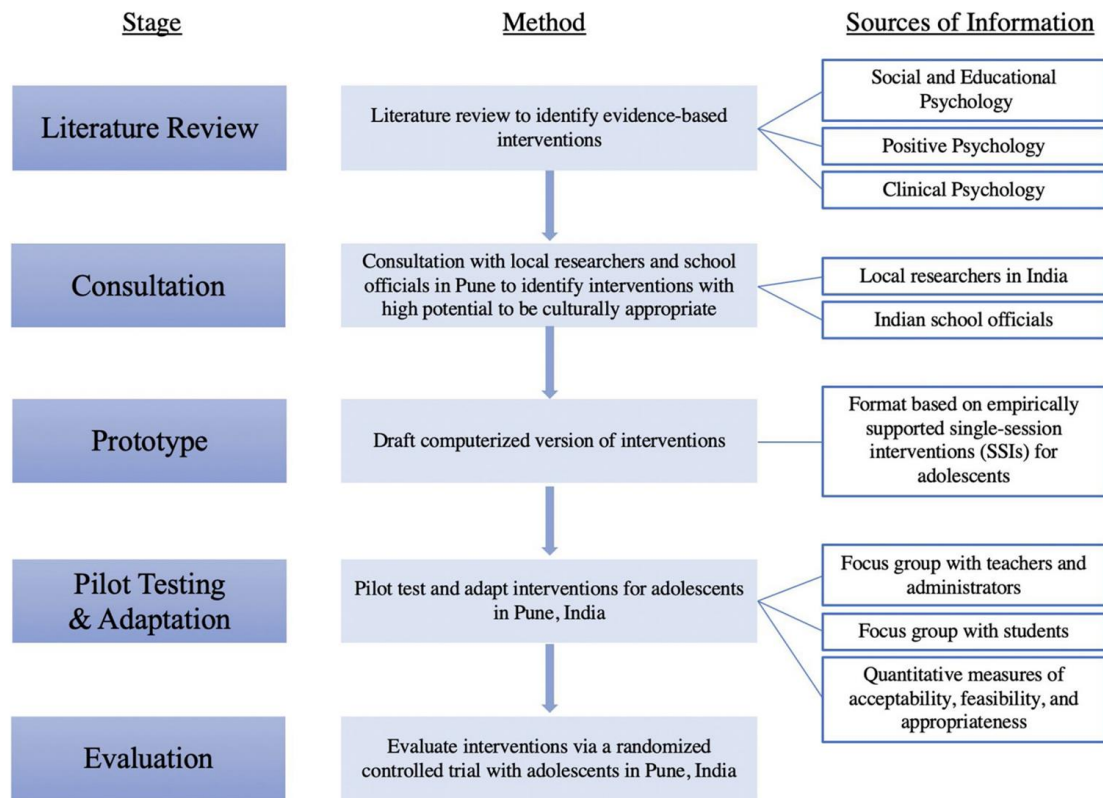
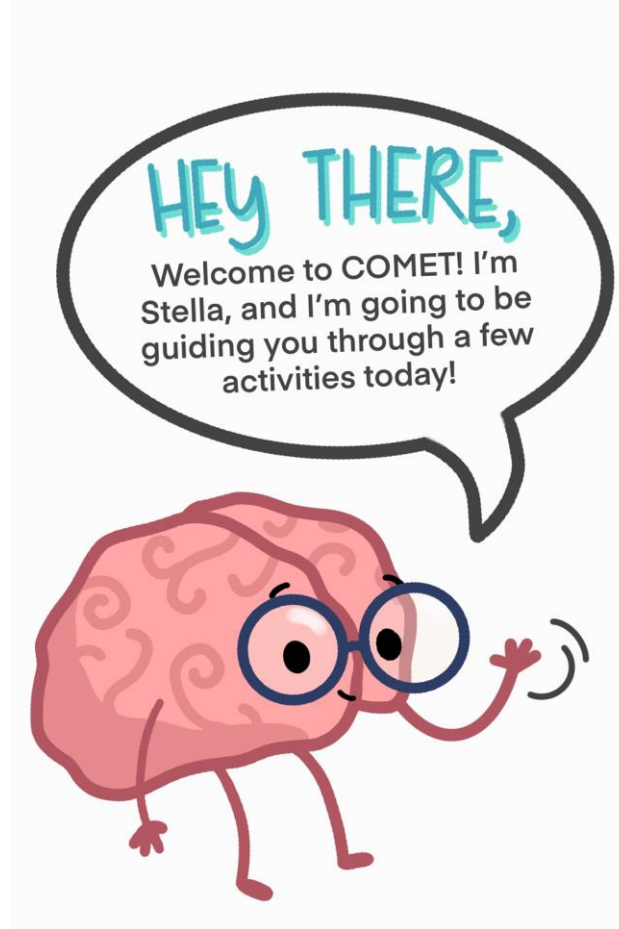


Fig. 1. Process of Selecting, Adapting, and Evaluating Single-Session Interventions.

The Common Elements Toolbox (COMET)

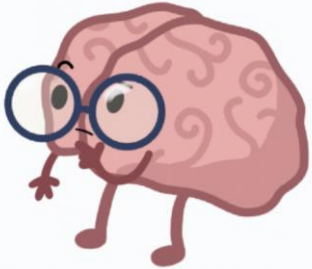


Common Elements Toolbox (COMET)

- A digital single-session intervention based on common elements
- 4 modules:
 - Cognitive restructuring
 - Behavioral activation
 - Gratitude
 - Self-compassion

Common Elements Toolbox (COMET)

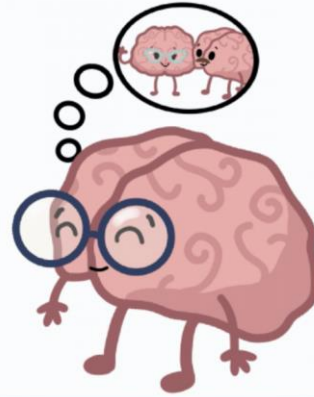
FLEXIBLE
THINKING



POSITIVE
ACTIVITIES



GRATITUDE



SELF-
COMPASSION



COMET for Graduate Students

- Study lasted one week
- Late March of 2020
- Recruited 209 participants
- People rated COMET as:
 - Acceptable (93%)
 - Helpful (88%)
 - Engaging (86%)
 - Applicable to their lives (87%)

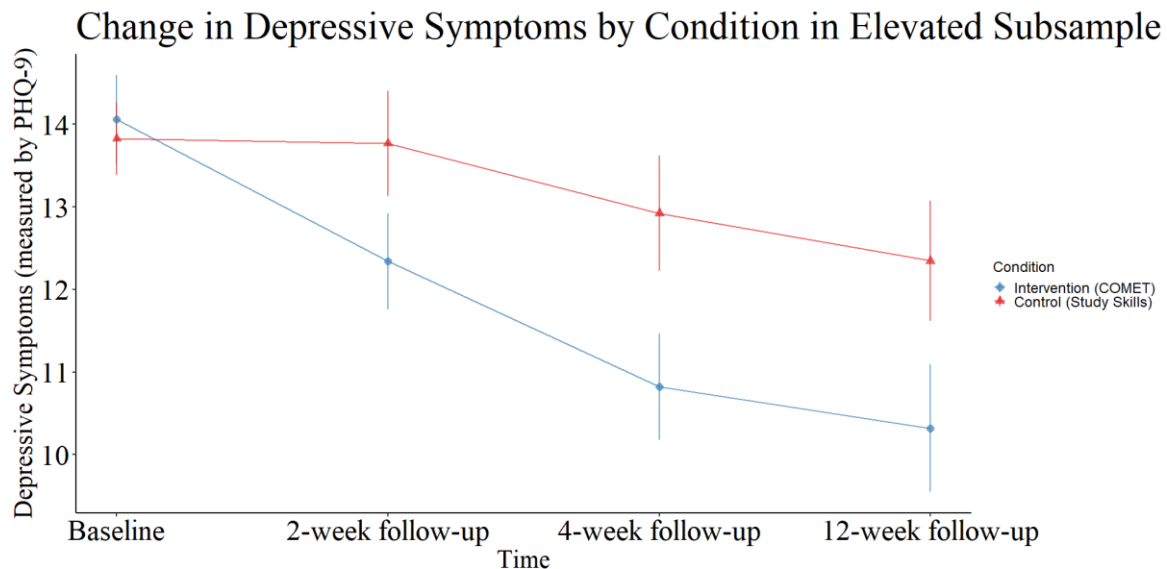
Table 2

Acceptability and Feedback Ratings on Single-Session Intervention

	Completers ($n = 185$) $M (SD)$	Non-Completers with available data ($n = 24$) $M (SD)$
Acceptability Items (range: 1-5)		
Approve	4.18 (0.68)	4.00 (0.82)
Like	4.14 (0.69)	3.88 (0.90)
Welcome	4.23 (0.69)	3.88 (0.90)
Appeals	4.12 (0.70)	4.00 (0.76)
Average Acceptability Score	4.17 (0.65)	3.96 (0.79)
Perceived Utility Items (range: 1-7)		
Helpful	5.73 (1.01)	5.52 (1.19)
Engaging	5.57 (1.07)	5.48 (1.08)
Applicable	5.67 (0.97)	5.48 (1.08)
Average Perceived Utility Score	5.66 (0.93)	5.49 (1.06)

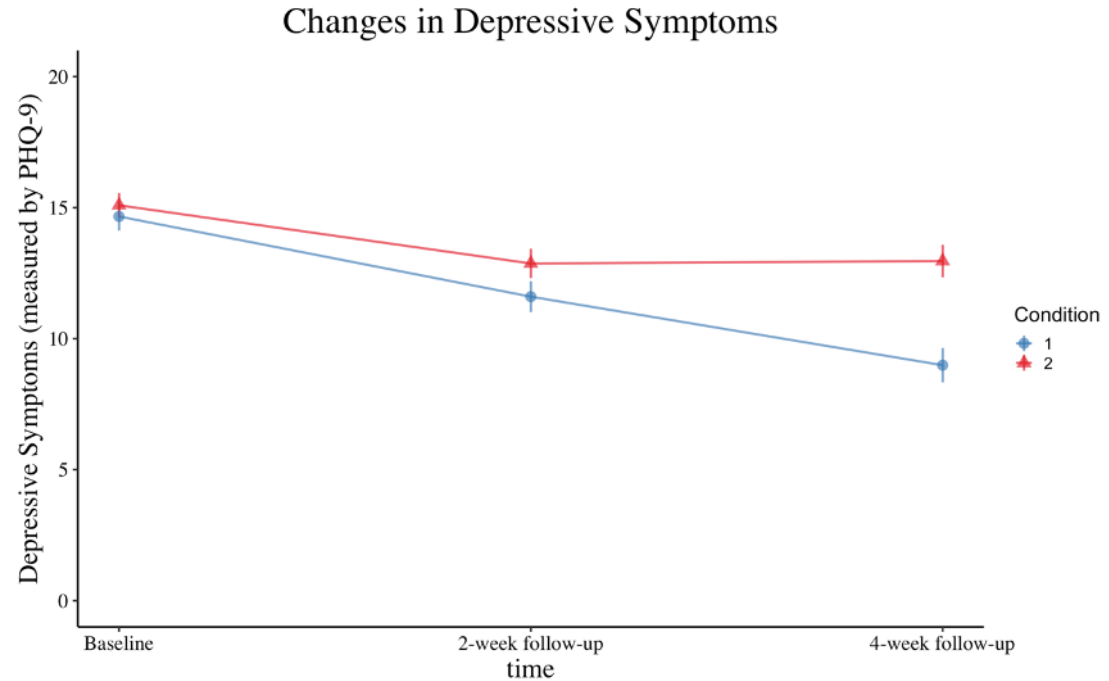
COMET for US College Students

- N=291
- Recruited from March 2020 to May 2020
- Significant effects on depression at 12-weeks
 - Full sample ($d=0.17$)
 - Elevated subsample ($d=0.54$)
- NS for anxiety and subjective well-being



COMET for Indian College Students

- N=514
- Recruited from August 2020 to April 2021
- Significant effects on depression at 4-weeks:
 - Full sample ($d=0.35$)
 - Elevated subsample ($d=0.59$)
- Significant effects on anxiety at 4-weeks:
 - Full sample ($d=0.20$)
 - Elevated subsample ($d=0.33$)
- 95% rated COMET as acceptable and appropriate

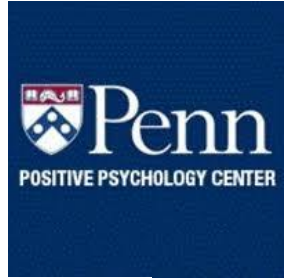


Ongoing work: India, Kenya, and Greece, UK, & US



National and Kapodistrian
University of Athens

Acknowledgments



DeRubeis Lab


**Behavior Change
for Good Initiative**



**Laboratory for Youth
Mental Health**
Director: Prof. John R. Weisz, Ph.D.

Questions?





School-based Resilience Programs for Youth in LMICs

S4YE Webinar

About CorStone

We work at the nexus of resilience and social change.

Our evidence-based resilience programs empower youth to re-frame their identities, unleash their potential, and transform their life trajectories.

Founded in 1975, CorStone is a US 501(c)3 nonprofit organization, headquartered in Baltimore, MD USA, with subsidiary offices in India.



"No one ever told us we had strengths."

Youth First Kenya

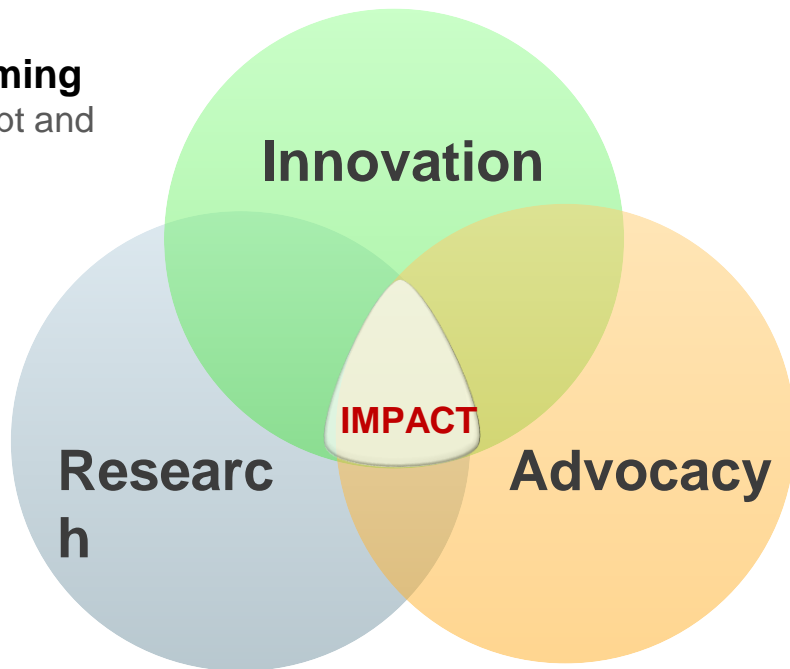
Our Approach

Scalable Programming

- Easy to adopt, adapt and implement
- Sustainable
- Cost efficient

Evidence-Based Impact

- Long-term effects
- Feasibility
- Scalability



Movement-Building

- Dissemination
- Advocacy
- Partnering with key funders, thought leaders, champions

Core Programs

Youth First (India, Rwanda, Kenya)

- School-based resilience/adolescent health program for boys and girls

Girls First – KGBV (India)

- Resilience/health program for marginalized girls in government residential girls-only ‘KGBV’ schools in India

inREACH (India)

- Remote resilience program for marginalized adolescents in LMICs during and after COVID-19

Self-Help Group (SHG) Resilience Project (India)

- Resilience program for low-income women in Self Help Groups, to increase wellbeing, social capital and life skills

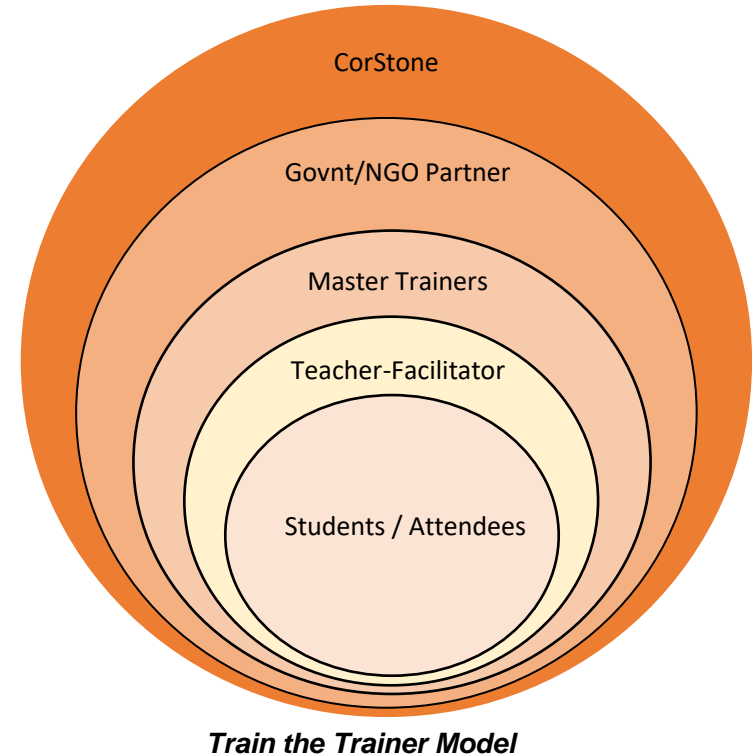
Resilient Parent Program (India)

- Integrated resilience/parenting program for low-income caregivers of children from birth to age 8



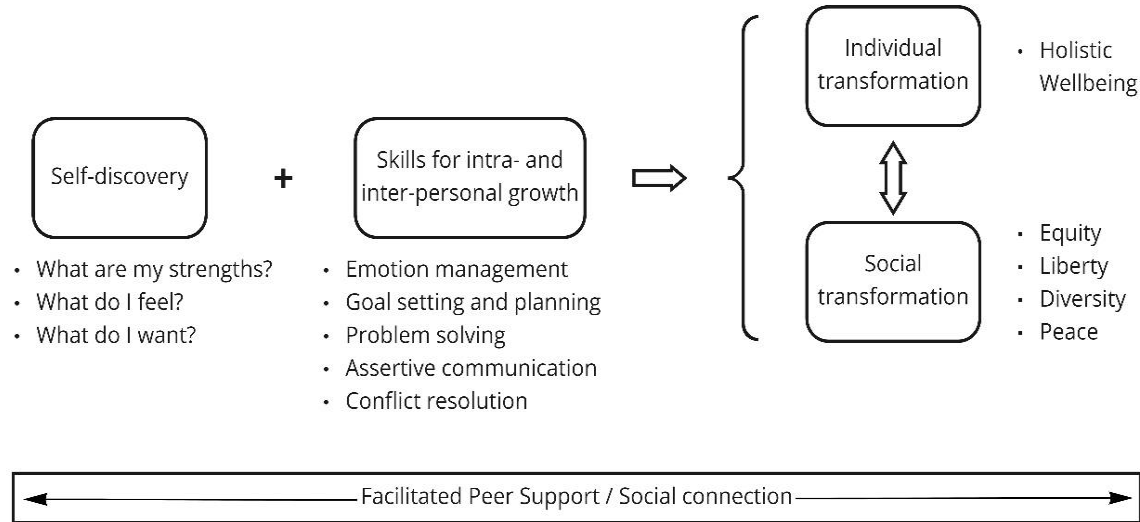
School-Based Programs

Student grades	Grades 7 & 8
Total sessions	25-32
Frequency of sessions	Weekly 1 hour
Duration	1-2 years

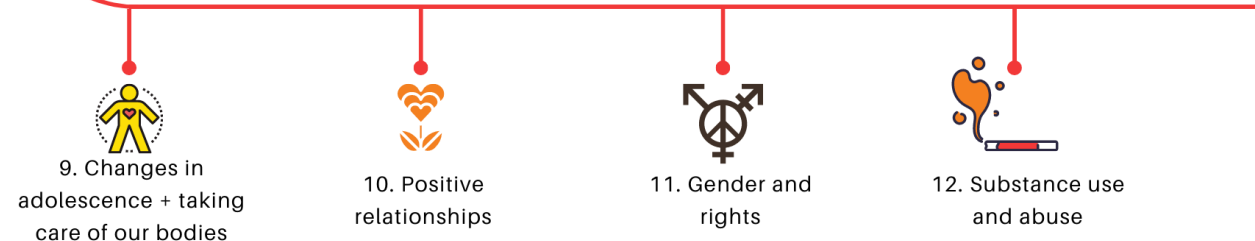
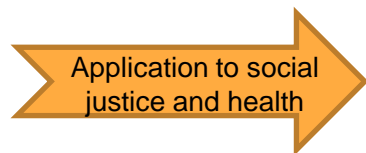
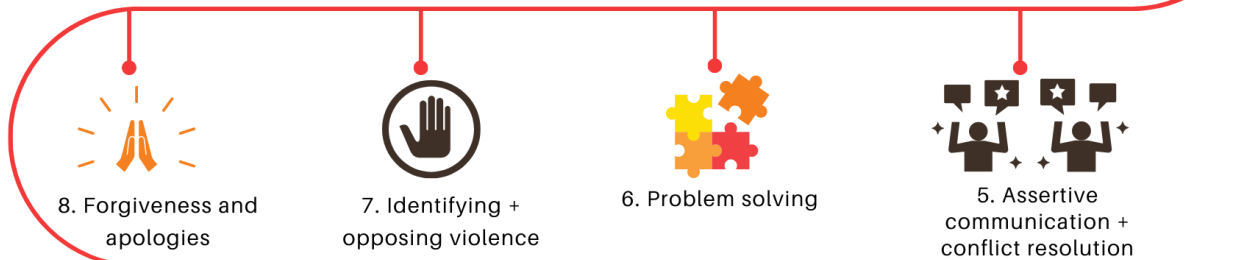
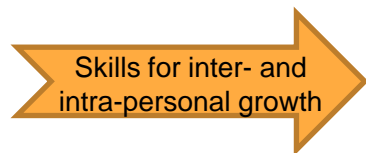
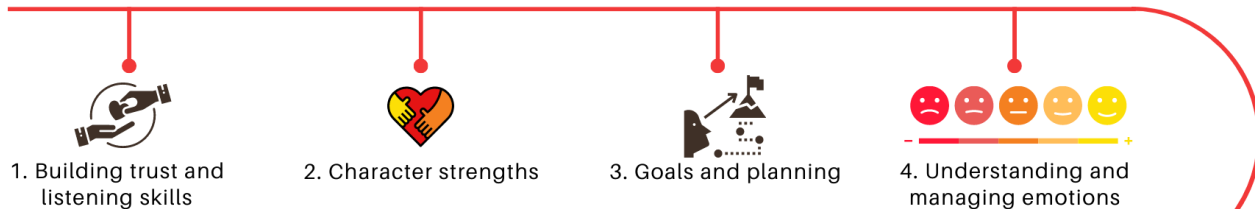


Youth First and Girls First are conducted among middle school students in teacher-facilitated peer support groups of ~15 students per group.

CorStone Model



Example: Youth First Rwanda



Girls First - Bihar: Randomized controlled trial (RCT)

- 3,400 adolescent girls in 76 schools
- 70 community women trained as program facilitators
- Profile: 12-16 years old in rural poverty in Bihar, India

3 intervention arms and 1 control arm:

- Resilience Curriculum only (RC)
- Health Curriculum only (HC)
- Resilience + Health (RC + HC)
- School-as-usual control (SC; no intervention)

- 15-20 girls per group
- Meet 1-2 times per week for 1 hour
- 6-8 month program
- 2 Program Facilitators per group

Assessment Framework

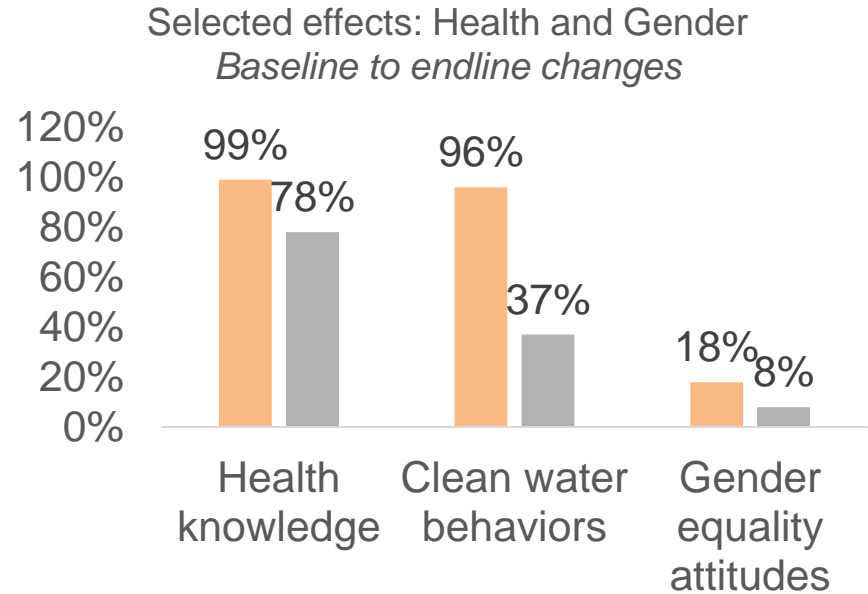
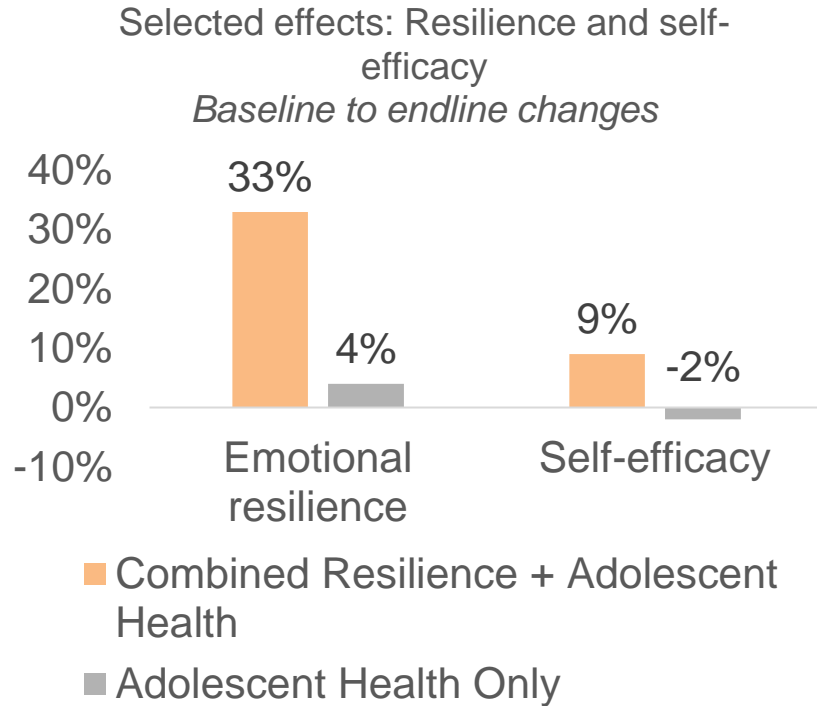
Quantitative

Impact area	Key Outcomes	Assessment tools (Examples)
Mental/emotional wellbeing	<ul style="list-style-type: none"> Resilience Self-efficacy Psychological wellbeing 	<ul style="list-style-type: none"> Connor-Davidson Resilience Scale-10 General Self-Efficacy Scale KIDSCREEN Psychological Wellbeing subscale Patient Health Questionnaire-9; GAD-7
Physical wellbeing	<ul style="list-style-type: none"> Health knowledge Health-related behaviors Health/gender attitudes 	<ul style="list-style-type: none"> Survey instrument developed in part from: <ul style="list-style-type: none"> General self-report of health Indian Adolescent Health Questionnaire KIDSCREEN Physical Wellbeing subscale
Social wellbeing	<ul style="list-style-type: none"> Social skills Social relationships (peers; family) 	<ul style="list-style-type: none"> Relevant Child and Youth Resilience Measure subscales KIDSCREEN Social Wellbeing subscale
Academic wellbeing	<ul style="list-style-type: none"> School engagement Perceived safety at school 	<ul style="list-style-type: none"> School records; survey instrument Child and Youth Resilience Measure Education Subscale

Qualitative

- Semi-structured individual interviews and focus group discussions (FGDs)
- Interview and FGD guides mirrored quantitative assessments; targeted in-depth descriptions of experiences and views

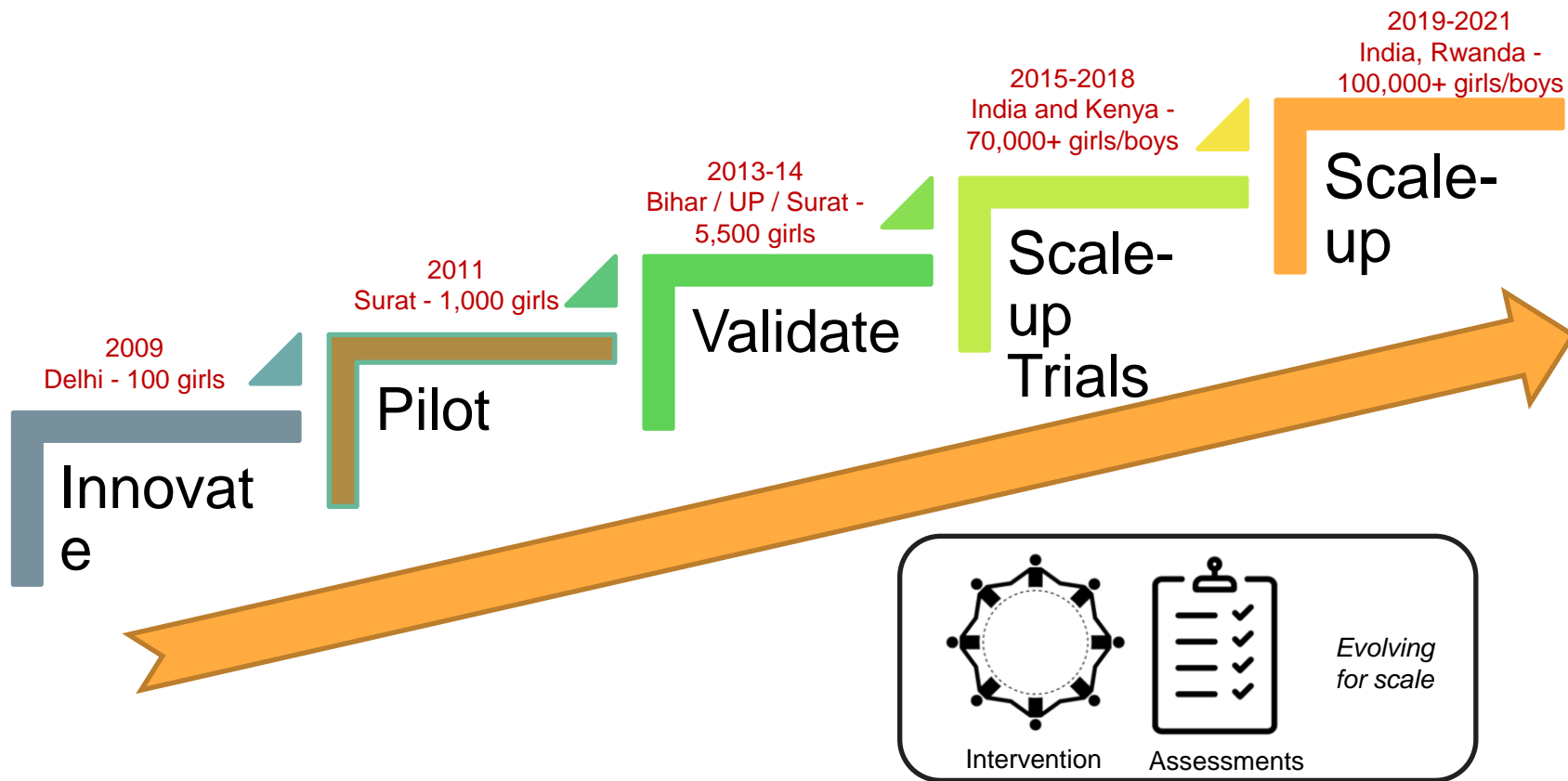
Girls First RCT Results



See [Leventhal et al. 2015](#) and [Leventhal et al. 2016](#) for full results.

Statistically significant effects consistently found between Combined Condition and Adolescent Health Only Condition. Resilience *amplifies* the effects of a health curriculum.

CorStone Journey



Thank you!

For more information:

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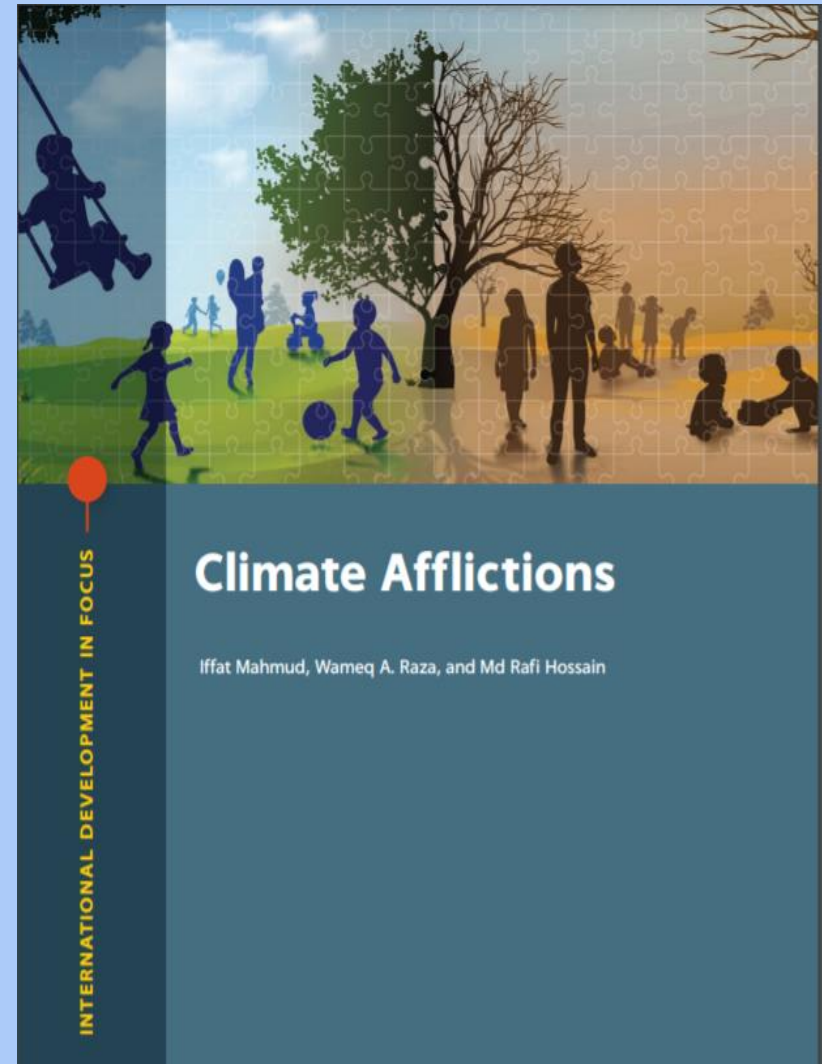




Enhancing Emotional Intelligence

Perspectives from South Asia

Why does
emotional
intelligence matter
in SA countries?



Mental health in Bangladesh

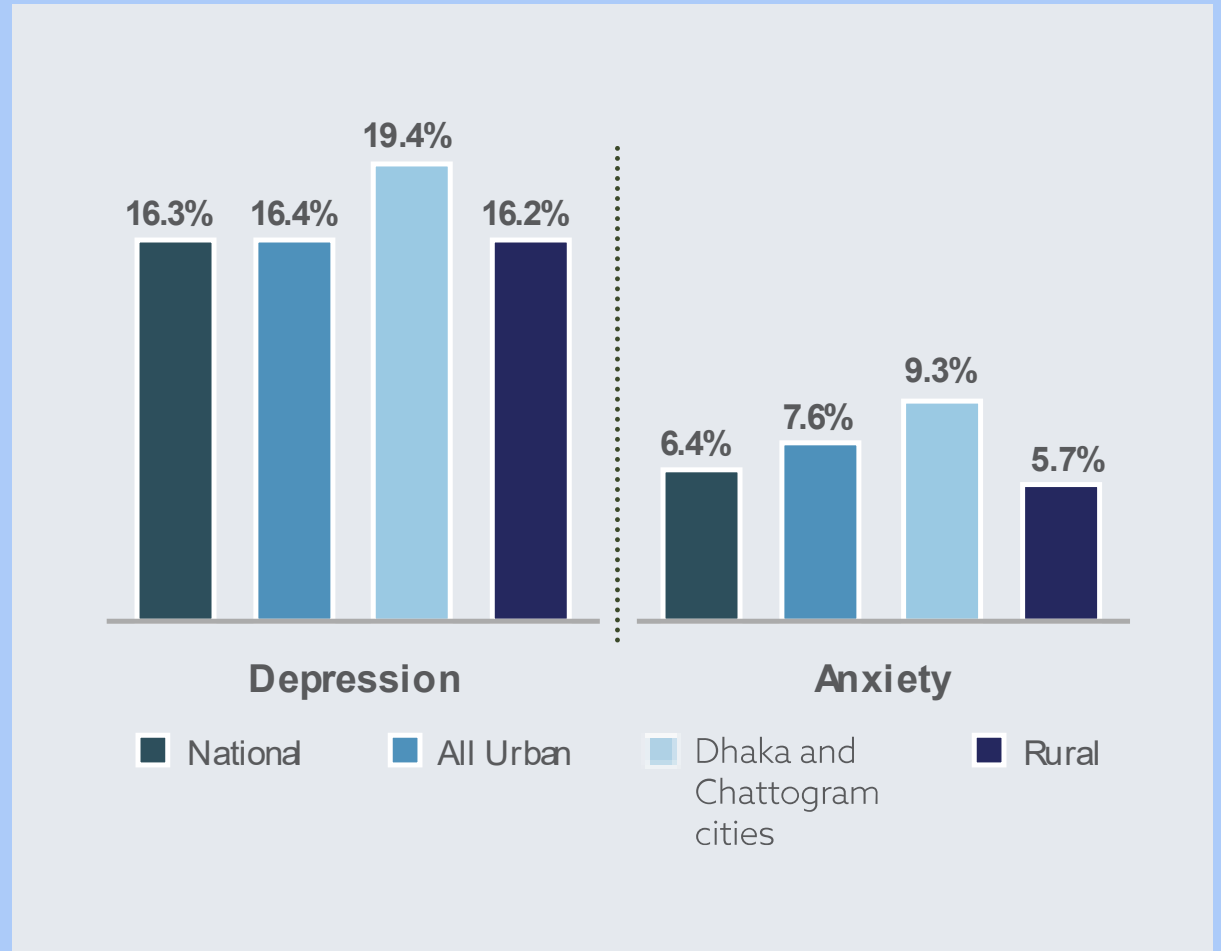
Who is more vulnerable?



More people depressed and anxious in Dhaka and Chattogram compared to the national average



Women of ages 26-40 and the elderly (65+ years) are more susceptible to depression

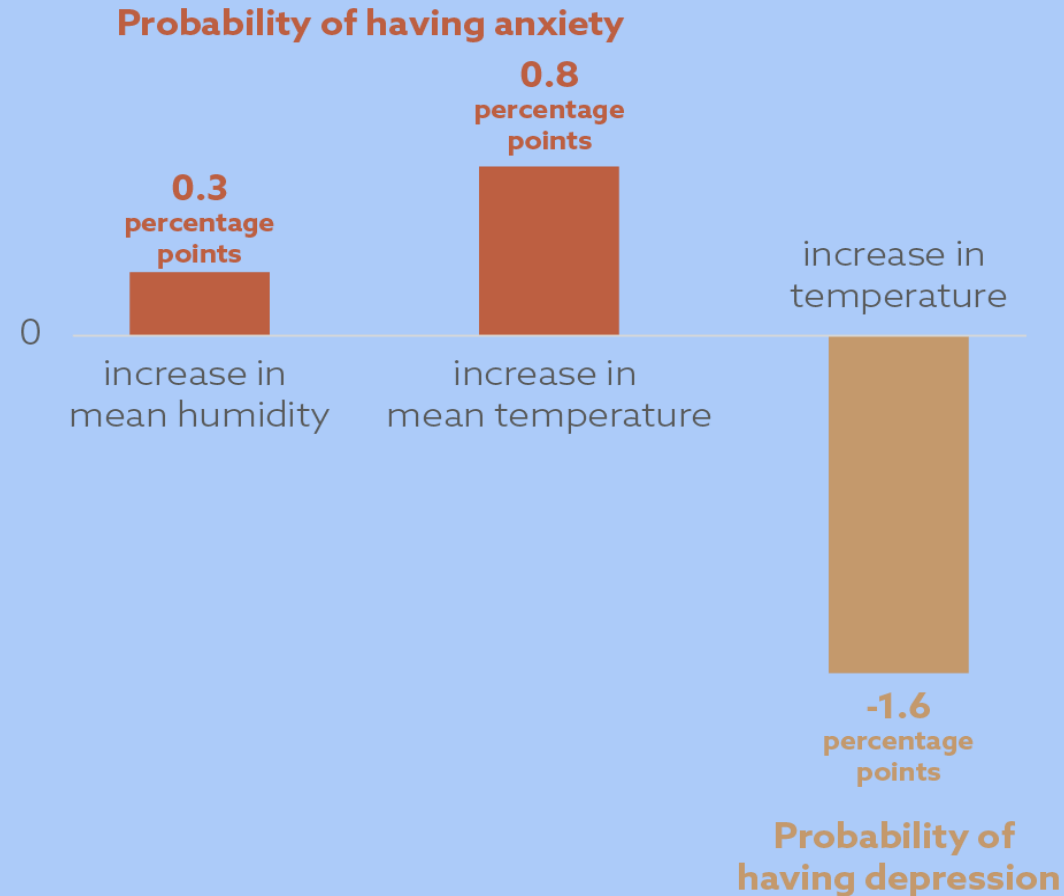


Mahmud, Iffat; Raza, Wameq A.; Hossain, Md Rafi (2021)

The weather causes mood swings

Climate variables have a slightly different impact on anxiety than depression

- Increase in mean humidity and mean temperature increases the probability of having anxiety by 0.3 percentage points and 0.8 percentage points, respectively
- Increase in temperature lowers the probability of depression by 1.6 percentage points



Mahmud, Iffat; Raza, Wameeq A.; Hossain, Md Rafi (2021)

And yet stigmatization remains strong

Nepal

- 30% of adults and adolescents agree that seeking mental health treatment is a personal failure
- 55% of adults and 49% of adolescents agree that seeking mental health treatment is a sign of a weak will

What works?

- Explaining to **parents** that mental health issues are common, treatable, and that seeking treatment is not a sign of weakness increases their stated willingness to seek counselling by 0.11 SD
- Describing to them the true story of a celebrity's struggles with mental health increases stated willingness by 0.10 SD
- But information treatments did not have similar effects on stated willingness of **adolescents** to seek counselling

Baral, et al. (Forthcoming, do not cite)

From research to action (*and financing*)

Lifecycle approach



Maldives Enhancing Employability and Resilient of Youth Project: Short course on Personal Initiative Training (entrepreneurship) which includes emotional resilience development, with the objective of building the confidence of aspiring youth to benefit from the Business Pitch Competition Grant

Bangladesh Accelerating and Strengthening Skills for Economic Transformation: Formal and enterprise-based training for youth that includes soft and life skills development, targeting in particular women, PWD, and ethnic minorities