



# USAID

FROM THE AMERICAN PEOPLE

# Get Smart: Using Evidence to Improve the Impact of Foundational Learning Programs

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# Introductions



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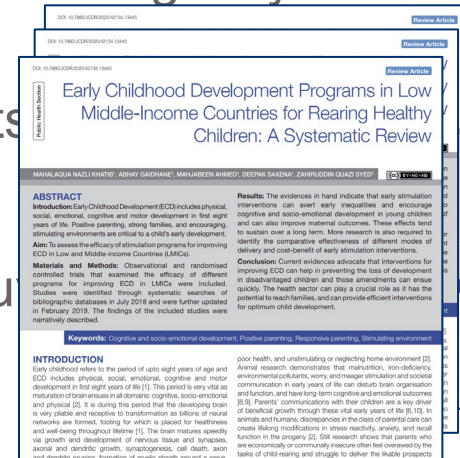
02

# The ImpAct Review

What is an “Improved Activity  
Cost-Effectiveness Review”?

# What is an ImpAct Review?

- Using evidence from impact evaluations helps us identify approaches that are likely to make the greatest progress improving foundational literacy & numeracy skills
- “Improved Activity Cost Effectiveness” (ImpAct Reviews are co-created by OCE and counterparts across the Agency to identify the best bets
  - Gaps for certain interventions & contexts
  - Evidence: Use it, or produce it!
- Builds on work of GEEAP, FCDO “Smart Bu



# Why research evidence?



More evidence is not a guarantee of better interventions, but without evidence there is little likelihood of better interventions.

New evidence should be continuously needed to reflect changing aspirations, needs, barriers and gaps, and strategies for navigating these.

# Why focus on foundational learning?

- Basic education investment priority since 2011
- Explicit mandate of the READ Act
- Substantial amount of research evidence
- Relative homogeneity of outcome measurement
  - Reading: EGRA
  - Math: EGMA

# Inclusion Criteria & Data Extraction

Started with the bibliography from 2023 GEEAP study:

- Narrowed down to studies focusing on interventions which USAID could legally fund from Basic Ed earmark
- Narrowed down to studies which used a randomized control trial, keeping with OCE priorities
- Potential next step: Add RCTs omitted by GEEAP?

From each study, we extracted key information:

- What intervention? What exactly was delivered? Cost?
- What age range and subject matter? Any target populations?
- How were effect sizes measured? How effective was program?



# Review Process

## ALIGN

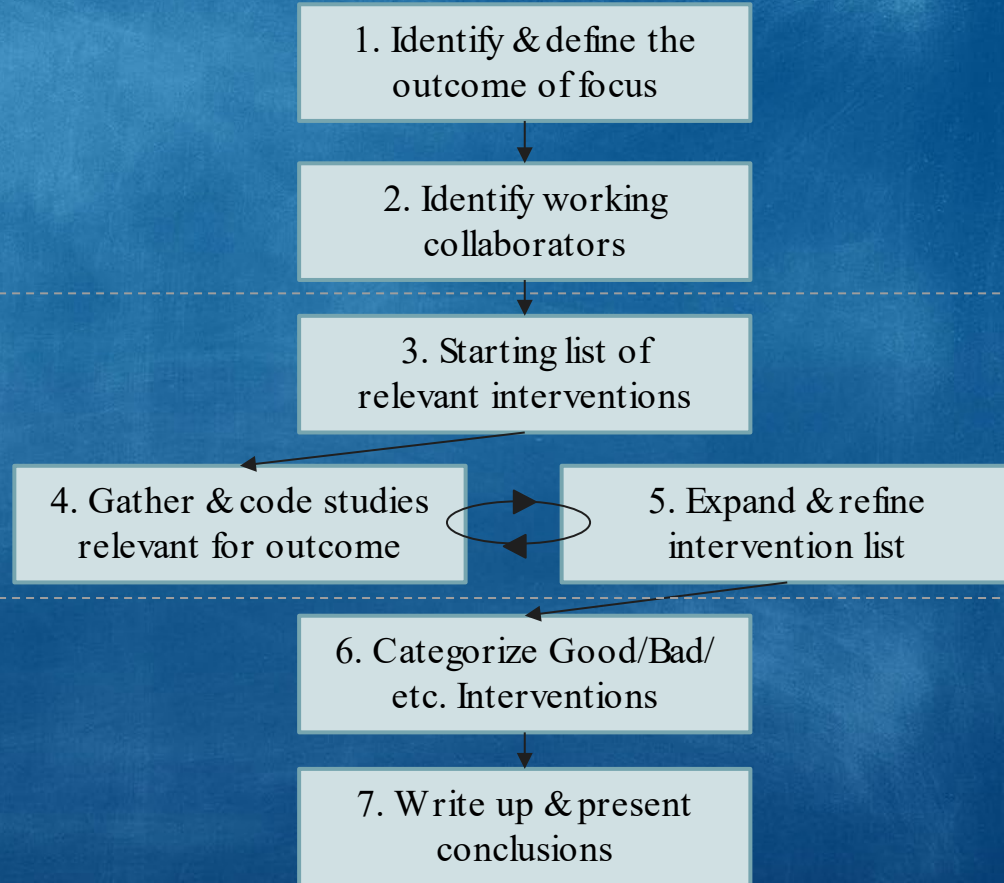
Reach shared understanding of objectives and process, identify in-depth collaborators.

## REVIEW

Define interventions iteratively, gather and code studies, and categorize interventions into Good/Bad/etc.

## CONCLUDE

Write up shared conclusions of Good, Bad, Promising, etc. interventions.

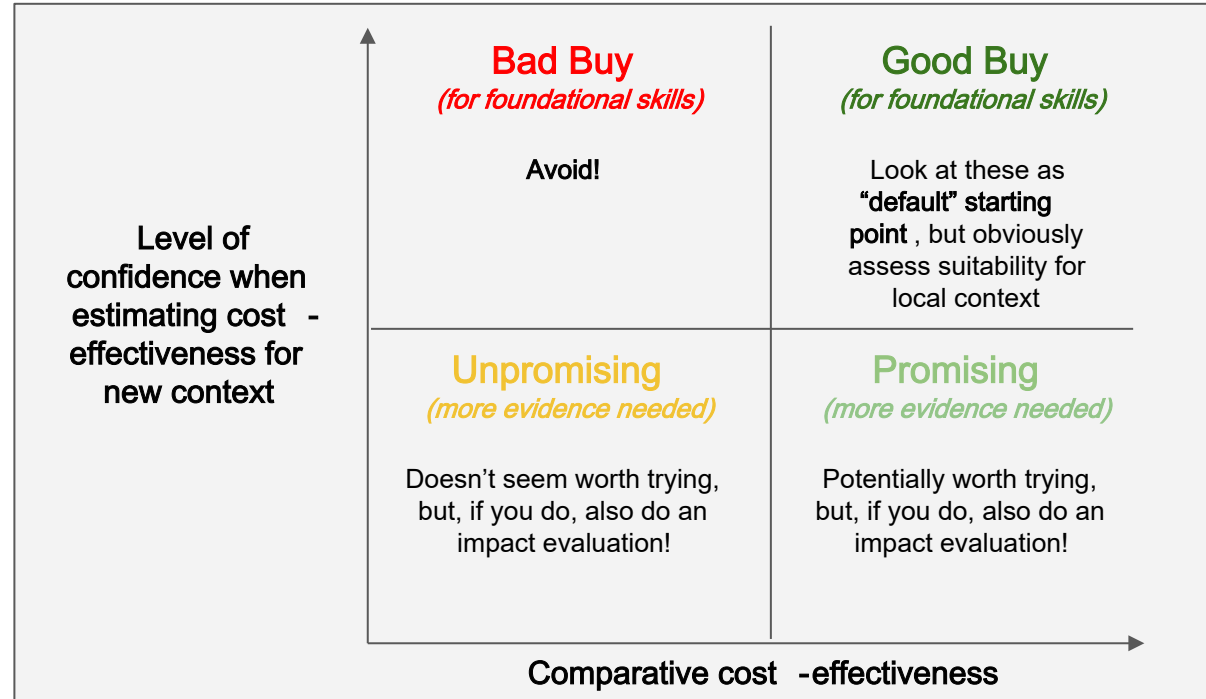


# Interventions under consideration

	Investment Areas	<a href="#">GEEAP Interventions</a>	RCT
1	Improving classroom instruction in primary grades	Providing teaching and learning materials alone	tbc
2		Supporting teachers with structured pedagogy	15
3		Supporting teachers with targeted Instruction by learning level	10
4		Supporting teachers with teaching SEL and life skills	4
5		Personalized, adaptive software	13
6		Investing in tech hardware alone	4
7	Improving quality of pre-primary	Varied	12
8	Improving access to primary education	Reducing travel times to schools (school building & transport)	(3)
10		Transferring cash, as tool to improve learning (CCTs)	4
11	Mitigating health barriers	Primary school feeding	5
14	Strengthening community- level support for primary education	Community-hired teaching support	6
15		Leveraging mobile phones to support teaching	5
16		Involving communities in school management	8
18		Providing info on benefits, costs, quality	6
19	Other	Targeting interventions towards girls	3
20		Distance education	5

Using this body of evidence, we can form recommendations on which interventions are **likely to be more cost -effective** at achieving a certain outcome, for a particular population

GEEAP Interventions
Providing teaching and learning materials alone
Supporting teachers with structured pedagogy
Supporting teachers with targeted Instruction by learning level
Supporting teachers with teaching SEL and life skills
Personalized, adaptive software
Investing in tech hardware alone
Varied
Reducing travel times to schools (school building & transport)
Transferring cash, as tool to improve learning (CCTs)
Primary school feeding
Community-hired teaching support
Leveraging mobile phones to support teaching
Involving communities in school management
Providing info on benefits, costs, quality
Targeting interventions towards girls
Distance education



A woman wearing a face mask and a dark dress stands in a rural, grassy area, holding a tablet and showing it to a group of children sitting on the ground. The children are also wearing face masks. In the background, there is a small, simple building with a corrugated metal roof and some trees. The entire image has a blue tint.

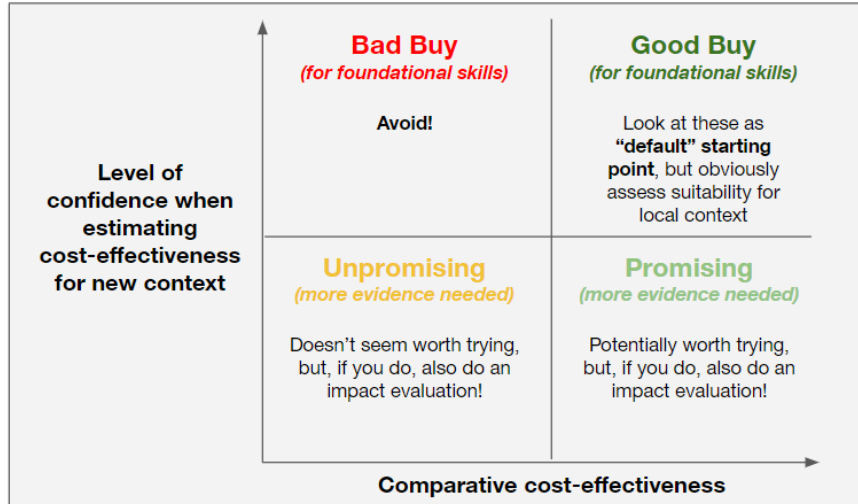
03

# Conclusions

Recommendations based on cost-effectiveness evidence



# CT: Snapshot of Results



*CT to add  
snapshot of  
conclusions about  
interventions*

# So...what next?

Do you know what helps you make your point clear?  
Lists like this one:

- Quisque pulvinar mi sit amet mi elementum  
ullamcorper sit amet nec lorem
  - Praesent hendrerit lorem id augue dignissim finibus
  - Curabitur non interdum elit
  - Quisque pulvinar mi sit amet mi elementum  
ullamcorper sit amet nec lorem
-

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04

# Ruling Out “Bad Buys”

EdTech Case Studies

# Three options in EdTech

## Personalized, Adaptive Software

Using software that allows  
personalized learning and  
adapts to the learning level  
of the child



## Tech Hardware Alone

Investing in hardware  
like laptops, tablets and  
computers alone



## Mobiles to Support Learning

Leveraging existing  
mobile phones to  
support learning at  
home





# Three options in EdTechFindings

## 1. Personalized, Adaptive Software

Effectiveness: 0.1 - 0.8 ES  
Cost: \$15 - 50 per learner



### Examples:

- Computer-assisted learning (CAL) as part of instructional approach
- CAL-based remedial tutoring program
- After-school computer games linked to curriculum

Good Buy  
(if there is  
existing tech)

# Three options in EdTechFindings

## 2. Tech Hardware Alone

Effectiveness: -0.3 - 0.0 ES  
Cost: HIGH



Examples:

- Installation of computers in schools
- Provision of laptops to students
- Provision of tablets to teachers

**Bad buy  
(even if it's free)**

# Three options in EdTechFindings

## 3. Mobiles to Support Learning

Effectiveness: 0.1 - 0.7 ES  
Cost: \$.1 - \$27 per student



### Examples:

- Interactive voice response intervention to complement an IRI program
- Tablets for coaches as part of an integrated literacy program
- SMS to parents to support learning at home
- Mentoring services by phone on supporting learning at home

Promising but  
limited evidence

# Three options in EdTechFindings

**Personalized,  
Adaptive Software**

**Good Buy**  
(if there is  
existing tech)



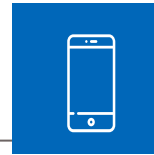
**Tech Hardware  
Alone**

**Bad Buy**  
(even if it's free)



**Mobiles to  
Support Learning**

**Promising but  
limited evidence**





A woman wearing a face mask and a dark dress stands in a rural, grassy area, holding a small box. She is addressing a group of children who are sitting on the ground, facing her. In the background, there is a small, simple building with a corrugated metal roof. The entire image has a blue tint.

05

# Unexpected “Good Buys”

School Feeding Programs

# Unexpected Good Buy: School Feeding

## Feeding in Primary Schools

Effectiveness: 0.1 - 1.8 ES

Cost per learner per year:

\$30 in SSA

\$60 in Asia

\$105 in MENA

\$55 in LAC

*Source: Global report on school meals around the world, 2021*



## Examples:

- Snacks containing animal source food
- Meals at school
- School canteen program

Good Buy  
(especially in areas  
with food insecurity)



06

# Adapting “Good Buys”

Looking at Structured Pedagogy and  
Targeted Instruction in context



# Choosing Among Good Buys: SP and TI

## Targeted Instruction

Targeting instruction by learning level, not grade (in or out of school), based on diagnostic and continuous assessments, during dedicated time for foundational skills, with ongoing support for educators



## Structured Pedagogy

Supporting teachers with structured pedagogy including lesson plans, teaching and learning materials, ongoing teacher training and mentoring, (if feasible) formative assessment and caregiver engagement



# Choosing Among Good Buys Findings

## 1. Targeted Instruction

Effectiveness: 0.07 to 1.1 ES

Cost: \$3 - \$53 per student



### Examples:

- Daily, one-hour sessions during school day; P1-P3 students grouped based on learning levels (measured at start of term)
- Four, 10-day “bursts” within the school year + one summer “booster camp” during which P3-P5 students were grouped based on learning levels (ASER) for 3 hours/day focused on math and reading
- Daily, two-hour sessions for P2-P4 students, delivered after school by local volunteer; content delivered based on

### Good Buy

*if many students are behind grade-level curriculum;  
sufficient political will to focus on foundational skills;  
capable/trainable instructors and mentors*

# Choosing Among Good Buys Findings

## 1. Structured Pedagogy

Effectiveness: 0.14 - 1.2 ES

Cost: \$8 - 63 per student



### Examples:

- Lecture pour Tous (Senegal) (ES)
- READ Liberia (ES)
- Ghana Partnership for Learning (ES)
- All include the following SP components:
  - Structured and explicit daily lessons based upon the science of reading;
  - Teacher PD sessions (2-3 per year) and continuous coaching support;
  - Formative classroom assessment;
  - High-quality TLMs

**Good Buy**  
*with sufficient political will  
and resources*



TI and SP are not mutually exclusive, but they are not always implemented in lockstep

- Many SP programs include support for **continuous assessment**, and train teachers to adapt lesson plans to students' needs
- However, no SP programs in our dataset included **grouping and regrouping** students based on continuous assessment
- Theoretically, **SP interventions can incorporate TI** by including training, materials, and support that enable teachers to incorporate (re)grouping by learning level their lesson plans
- In a context where SP is being implemented in schools, **TI can be used in supplementary sessions** outside of school hours

# Contextual features can guide us to the right Good Buy(s)

1. Who is the student population?
  - If the intervention **only** targets P1-P2 students in schools, prioritize SP
  - If the intervention targets **out-of-school** children, TI might work; SP will not
  - If baseline learning levels are **heterogeneous** , prioritize TI, possibly with SP
2. Would it be feasible (buy-in, funding amount, qualified IPs) for USAID funding to be used to reorient the entire system toward SP?
  - Yes → Explore possibility to incorporate a **combined** program
  - No → Shift focus to designing a **supplementary** TI program
3. Do teachers have the capacity and motivation to adjust their practice in the classroom (or could they with training and support)?
  - Yes → Explore possibility of TI, possibly in combination with SP
  - No → Prioritize SP

# Thank You

Do you have any questions?

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