

#### Researchers

Noam Angrist Youth Impact

Micheal Ainomugisha Building Tomorrow

Sai Pramod Bathena Alokit

Peter Bergman University of Texas

Colin Crossley Youth Impact

Thato Letsomo Youth Impact

Claire Cullen Youth Impact

Moitshepi Matsheng Youth Impact

Rene Marlon Panti Research Manager

Shwetlena Sabarwal World Bank

Timothy Sullivan NewGlobe

#### Staff

Karisha Anne Cruz Senior Policy and Project Development Associate

Rene Marlon Panti Research Manager

#### **Timeline**

2021-2022

#### **Study Status**

Results

#### **Study Type**

Randomized Evaluation

#### **Sample Size**

3,492 households with children in grades 3 and 4

#### Research Implemented by IPA

Yes









### Building Resilient Education Systems: Cost-effective Mobile Tutoring in the Philippines and Beyond

mEducation's phone-based tutoring program yields promising results in improving numeracy skills and student well-being



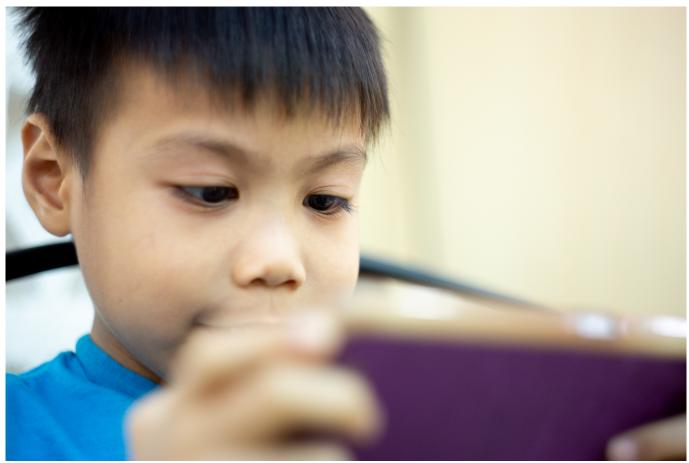
ase in global school attendance rates, low levels of learning pensist among many students Despite an increase in global school attendance rates, low levels of learning pensist among many students for our levels. The urgent need for resilient education systems, particularly in countries where emergencies frequently disrupt education, has been highlighted by the COVID-19 pandemic. Youth Impact's phone-based tutoring program, misducation or Connecttid, aims to improve math skills by delivering math problems via text and providing weekly 20-minute phone tutorials tailored to individual learning levels. The program showed promising results in Bottsvana, where it was initially implemented, and to test its scalability, assearchers conducted a randomized evaluation in five countries, with IPA leading the evaluation in the Philippines. The program led to a significant 40 percent increase in children's math skills in the Philippines, with an average cost of USD \$12 per student, making it one of the most cost-effective education interventions available.

RESILACHERS
Norm Angrist, Micheal Airsonaginha, Sai Pamod Bathena, Peter Bergman,
Colle Crossiny, Claire Cullen, Thato Letomo, Moltshepi Mataheng, Rene Markin/Panti, Shwetiena Sabereal, Tire Sallivan

**Project Brief** 

# **Building Resilient Education Systems: Cost-effective Mobile Tutoring in the** Philippines and Beyond





In This Image
Mobile Tutoring in the Philippines © Ivan Lonan / Shutterstock

IPA led the evaluation of the mEducation tutoring program in the Philippines, which resulted in a significant 40 percent increase in students' math skills at an approximate cost of USD \$12 per child, making it a cost-effective solution.

Despite an increase in global school attendance rates, low levels of learning persist among many students worldwide.<sup>1</sup> The urgent need for resilient education systems, particularly in countries where emergencies frequently disrupt education, has been highlighted by the COVID-19 pandemic.<sup>2</sup> Youth Impact's phone-based tutoring program, mEducation or ConnectEd, aims to improve math skills by delivering math problems via text and providing weekly 20-minute phone tutorials tailored to individual learning levels.

The program demonstrated positive outcomes when first implemented in Botswana. To examine its scalability, researchers conducted a randomized evaluation in five countries, with IPA leading the evaluation in the Philippines. The program was implemented across 3,492 students who were randomly assigned to one of three groups: a control group that did not receive the program, a group that received both phone calls and SMS, and an SMS-only group. Additionally, the program was implemented by both Philippines Department of



Education (DepEd) or IPA to assess its feasibility for government implementation and evaluate whether the program delivery had an impact on its effectiveness.

The full mEducation program (SMS + phone calls) in the Philippines led to a significant 40 percent increase in children's learning outcomes. The Philippines was among the countries with the biggest impact. The SMS-only intervention led to a 8 percent increase in learning outcomes, but only in the Philippines and Uganda, suggesting that text messages can be effective in contexts with the greatest need. Government-led implementation of mEducation was equally effective as NGO-led implementation. The program has an average cost of approximately \$12 per child, yielding 3.4 learning-adjusted years of schooling (LAYS) per \$100 spent, making it a cost-effective solution.

## **Sources**

- <sup>1</sup>United Nations Educational, Scientific and Cultural Organization, *Global education monitoring report, 2021/2: non-state actors in education: who chooses? who loses?*. Paris, FR: UNESCO, 2021.
- <sup>2</sup> UNICEF Press Release, "Learning losses from COVID-19 could cost this generation of students close to \$17 trillion in lifetime earnings," UNICEF, December 6, 2021, https://www.unicef.org/press-releases/learning-losses-covid-19-could-cost-generation-students-close-17-trillion-lifetime.

# **Partners**



### **Youth Impact**

