

# Guatemala's Scalable Early-Warning System for School Dropout Prevention

AI in Education · Good practice · Guatemala

Quality score: 67/100

Evidence strength: Randomised controlled trial

## Summary

A World Bank-designed predictive model using only existing administrative data flagged Guatemalan students at risk of dropping out. A 4,000-school RCT found a 4% relative drop in dropout (9% among compliers) at under US\$3 per student.

## Key dimensions

| Dimension                              | Score |
|----------------------------------------|-------|
| Evidence of learning impact            | 2/3   |
| Equity & inclusion                     | 2/3   |
| Transparency, ethics & data protection | 2/3   |
| Teacher capability & pedagogy          | 1/3   |
| Scalability & sustainability           | 3/3   |

Evaluated by C-NAPSE

## Data sources

[C-NAPSE web research](#) — accessed 2026-07-10

[Ministerio de Educacion de Guatemala / World Bank](#) — accessed 2026-07-10

[World Bank SIEF Trust Fund brief](#) — accessed 2026-07-10

[Working paper \(IDEAS/RePEc\)](#) — accessed 2026-07-10

[Predicting school dropout with administrative data \(Education Economics journal\)](#) — accessed 2026-07-10

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