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Safe System Intervention in Lusaka School Zones:

*Quantified Results from 15 Pilot Sites
2015-2025*

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The Problem

Most child road traffic casualties occur during the school commute in low-income, high-density communities where infrastructure is inadequate and vehicle speeds are dangerously high (ZRST, 2024).

Zambia lacks age-disaggregated crash data for the 7-29 cohort, rendering structural risk invisible to planners and policymakers.

Research Question

To what extent can a community level Safe System interventions - encompassing infrastructure improvement, targeted community RSE, and data-led policy advocacy - reduce fatal and serious injuries among child pedestrians in high-risk school zones in Lusaka?

Methodology



AFTER

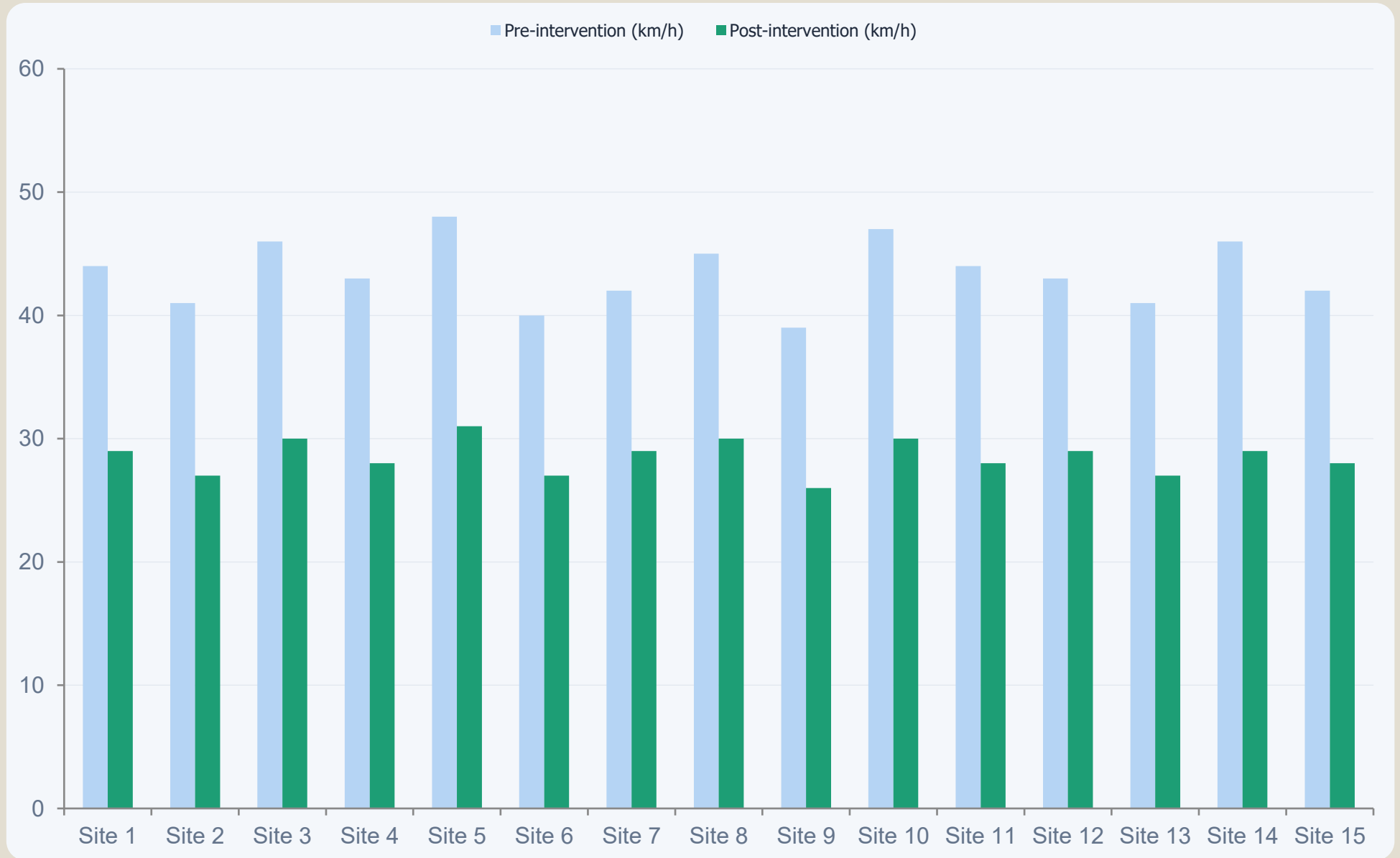
Installed pedestrian crossings, road markings, implemented dedicated sidewalks, repositioned the school gate to encourage safe crossing at crossing points



Findings: RESULT 1 - SPEED REDUCTION

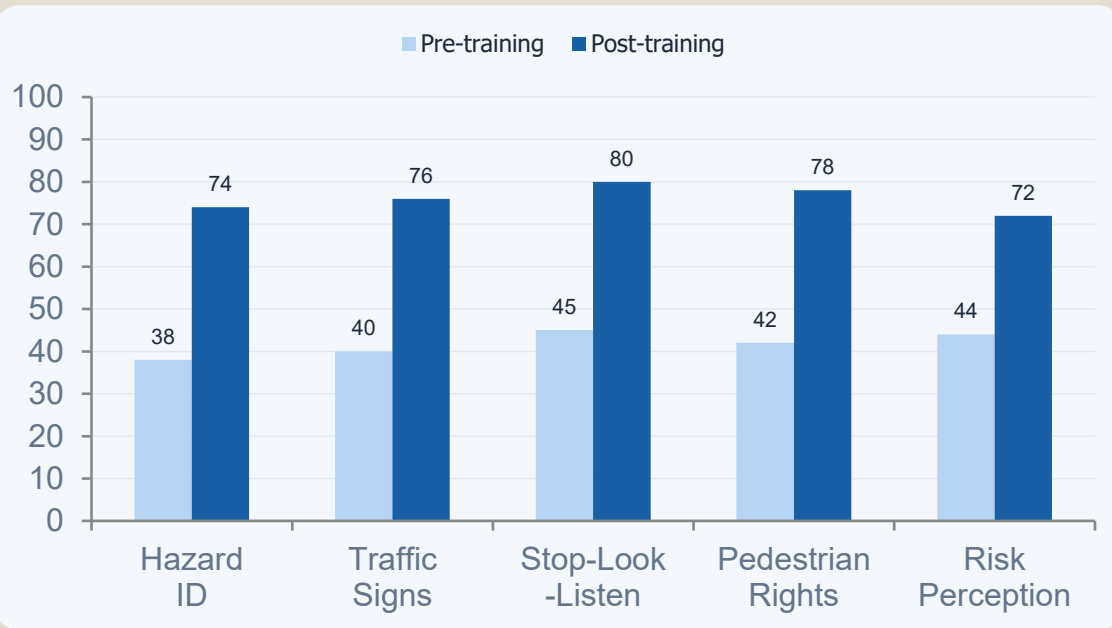
>30%

Average vehicle speed
reduction inside
30 km/h school zones



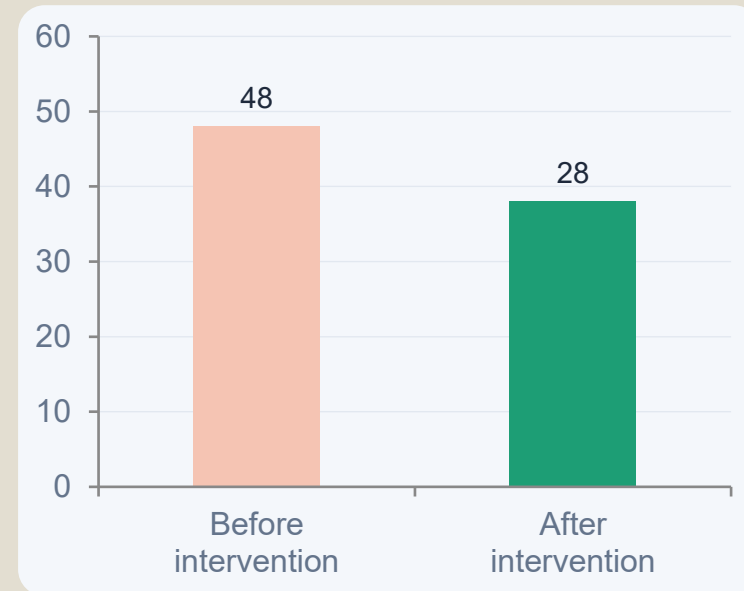
Findings: RESULT 2 - KNOWLEDGE & BEHAVIOUR CHANGE

Road Safety Knowledge Scores by Curriculum Module (%)



↑ 80%
knowledge

Unsafe Crossing Behaviours per 100 Student Crossings



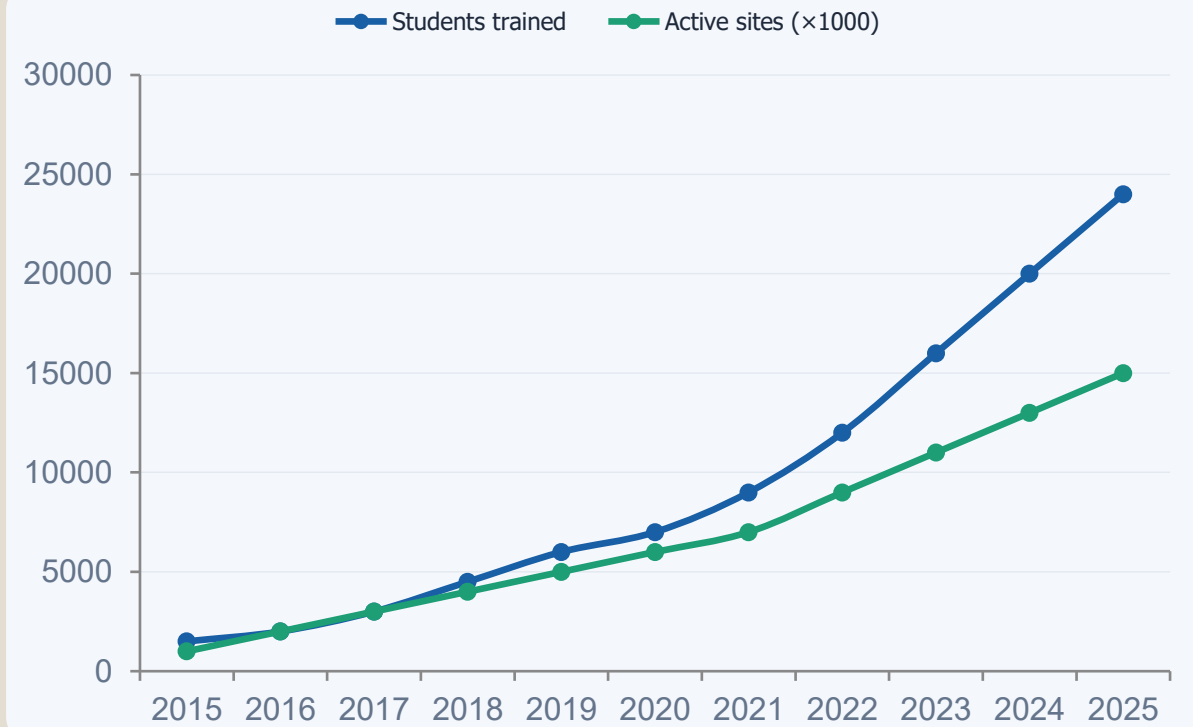
↓ 20%

Findings: RESULT 3 — INFRASTRUCTURE DELIVERY & 10-YEAR PROGRAMME REACH

Infrastructure Delivered: Planned vs Completed



10-Year Programme Reach: Students Trained & Active Sites



iRAP 3-Star Rating: What It Means

A 3-star pedestrian rating under iRAP methodology means the road environment provides a reasonable level of protection such that a pedestrian involved in a crash has a survivable outcome. All 15 zones achieved this from below 2-star at baseline.

100% delivery rate across all planned infrastructure components at all 15 sites -completed within budget constraints and programme timeline.

Conclusions & Recommendation

- Replicable low-cost intervention model
- Need for strong political will and private stakeholder support
- Dedicated domestic funding and community ownership

Thank You.!

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