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School children, parents and teachers' perception of Traffic Safety:

A before and after study Study

SONJA FORWARD (SWEDISH ROAD AND TRANSPORT RESEARCH INSTITUTE)



BACKGROUND

The fatality rate of vulnerable road users in Africa is 44% (WHO, 2018).

Children face a significant risk.

In Zambia 350 children are killed annually when they travel to and from schools.

This call for immediate actions to enhance the safety of school zones for children.

Method

Structured questionnaires were distributed to school children, aged 8 to 12, parents and teachers before and after implementations.

Speed counts to observe changes.

The study included two experimental schools and one control school. All of them located in Lusaka.

The Daina Kaimba School: before and after



The new road signs informed that the driver was entering a school zone and speed limitation was 30 km/h (from 40 km/h).

The Kizito Primary School: before and after



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The Kizito Primary School



Woodland's primary school – Control school



Observed speed before and after the implementation

	Before	After
Diana Kaimba Primary School	25 km/h	23 km/h
Kizito Primary School	21 km/h	11 km/h
Woodlands	25 km/h	27 km/h

Results - survey

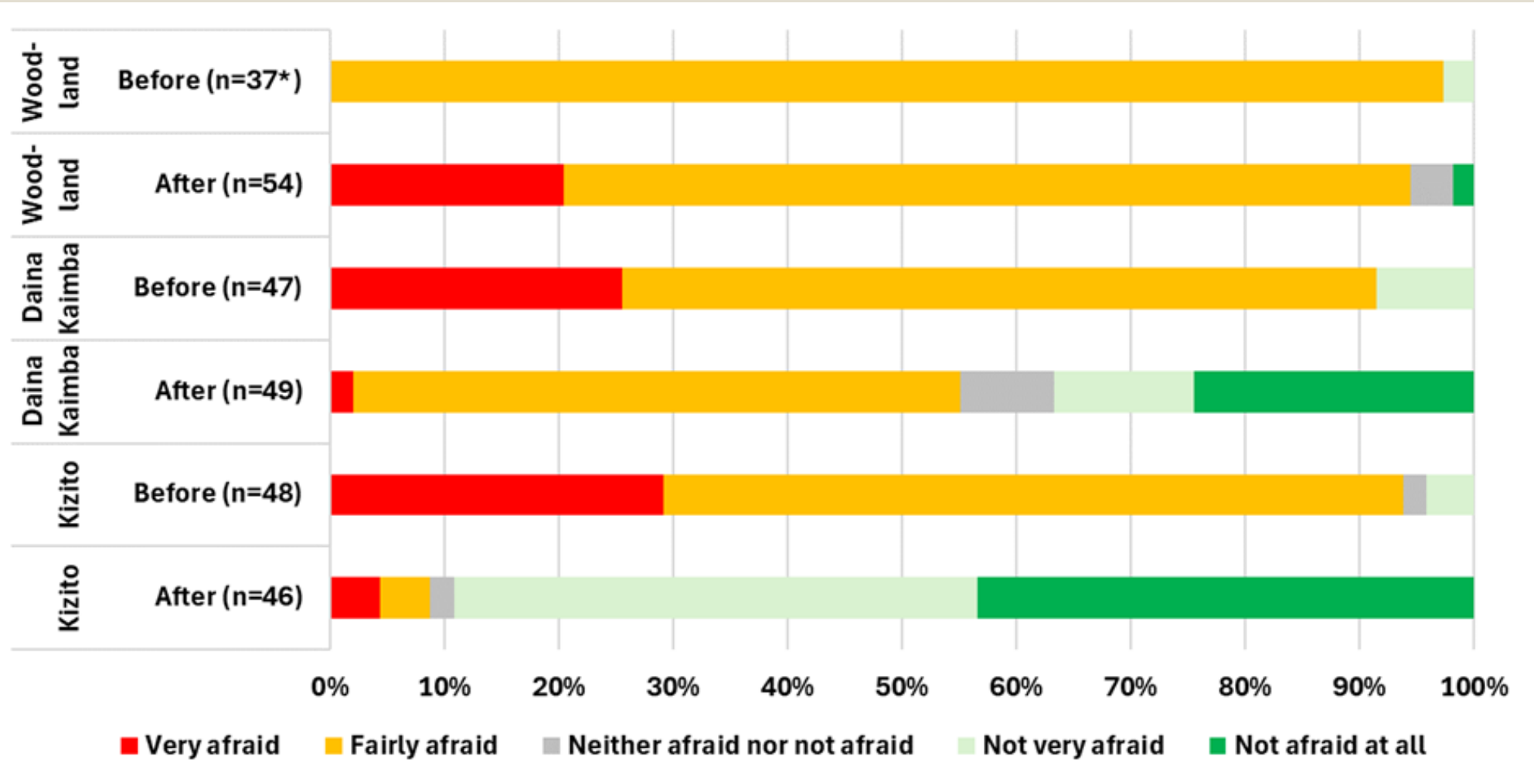
Before study = 230 participants (150 children, 31 parents and 50 teachers).

After study = 212 participants (149 children, 36 parents and 27 teachers).

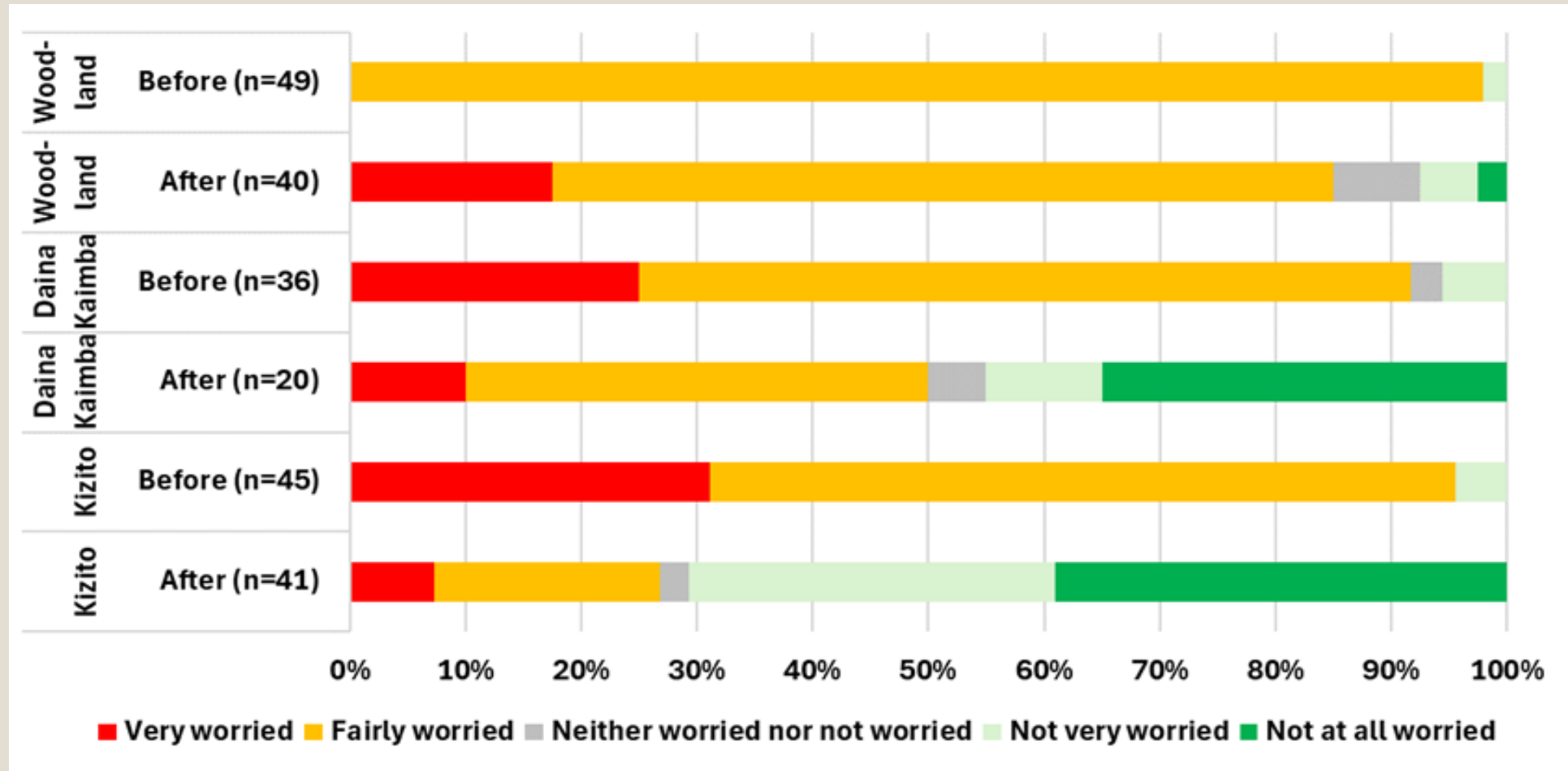
Childrens average age before and after was 10.5 years old.

Most of them walked to school on their own (60-65%). The rest with another child.

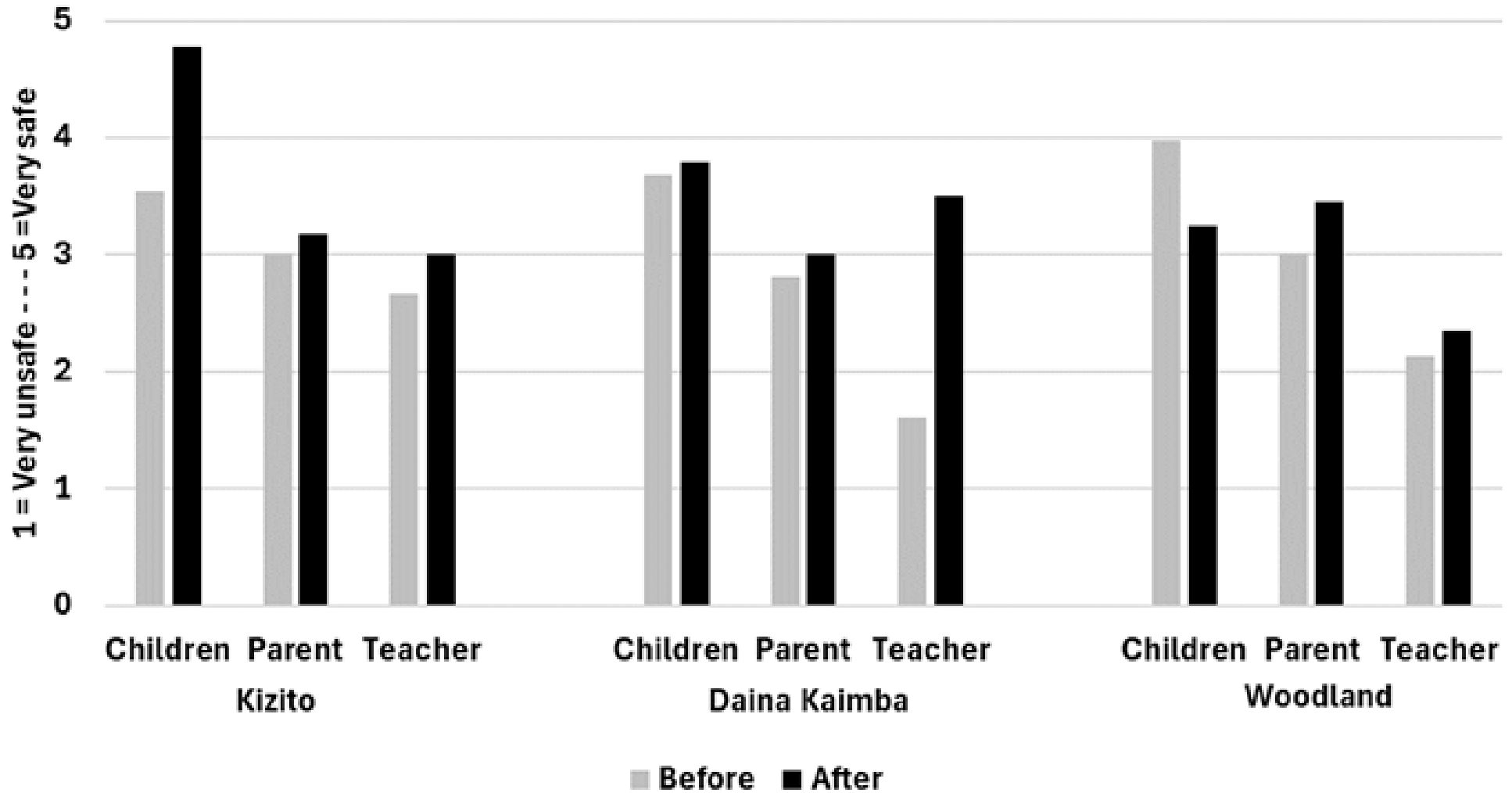
When you are near the school how afraid are you of the traffic? (children)



How worried that a motor vehicle would hit you when crossing the road? (children)

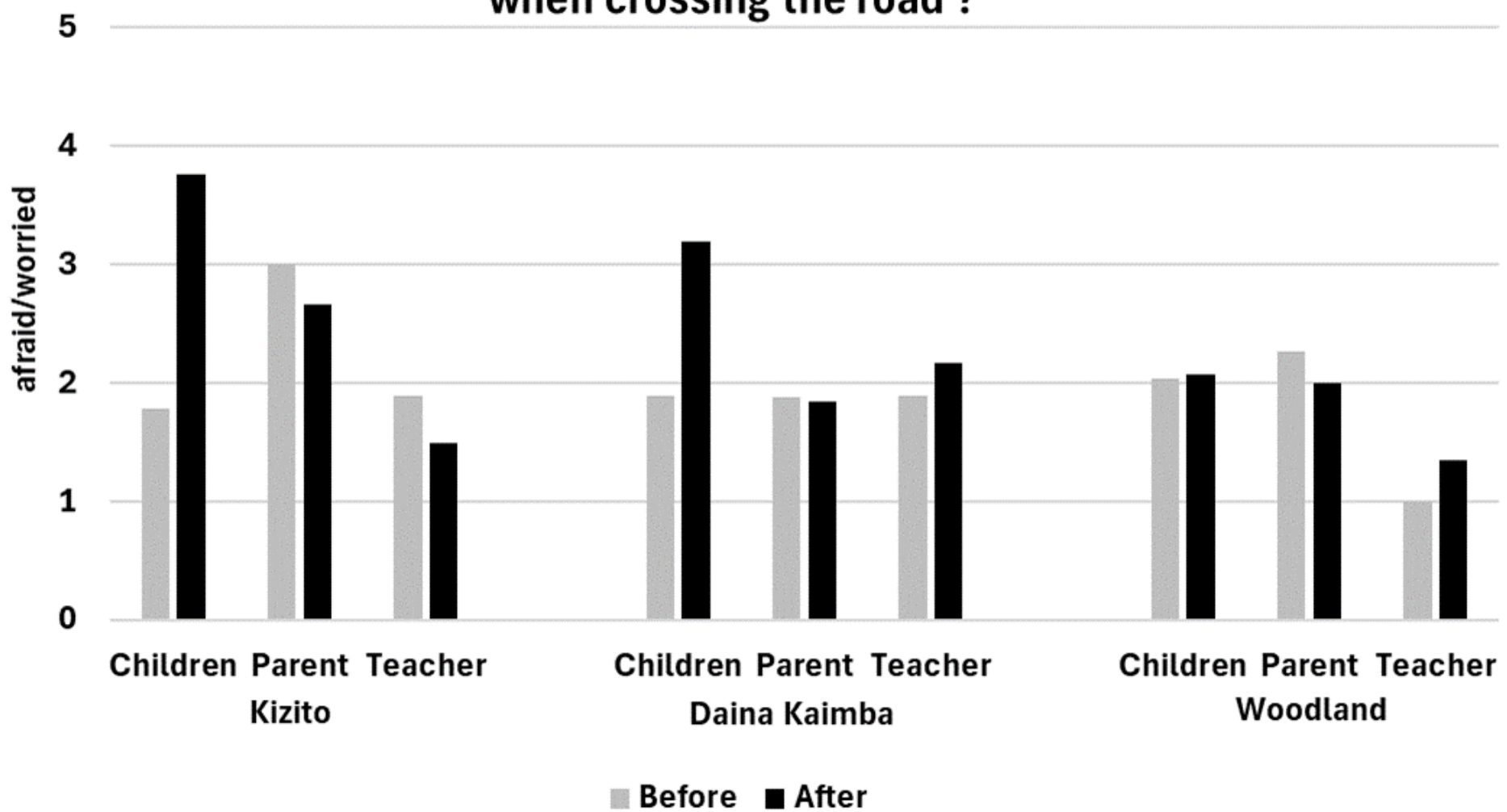


Have safe when crossing the road?



How worried/afraid that a motor vehicle would hit you/a child when crossing the road ?

1 = Very afraid/ worried - - - 5 = Not at all



Conclusion

Significant changes in their feelings of safety and less worried after the implementation.

The greatest changes at Kizito primary school.

Very few or no changes at the control school.

THANK YOU



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