

INFLUENCE OF SCHOOL BASED
FACTORS ON QUALITY OF
EDUCATION IN PUBLIC SECONDARY
SCHOOLS IN KENYA

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Background

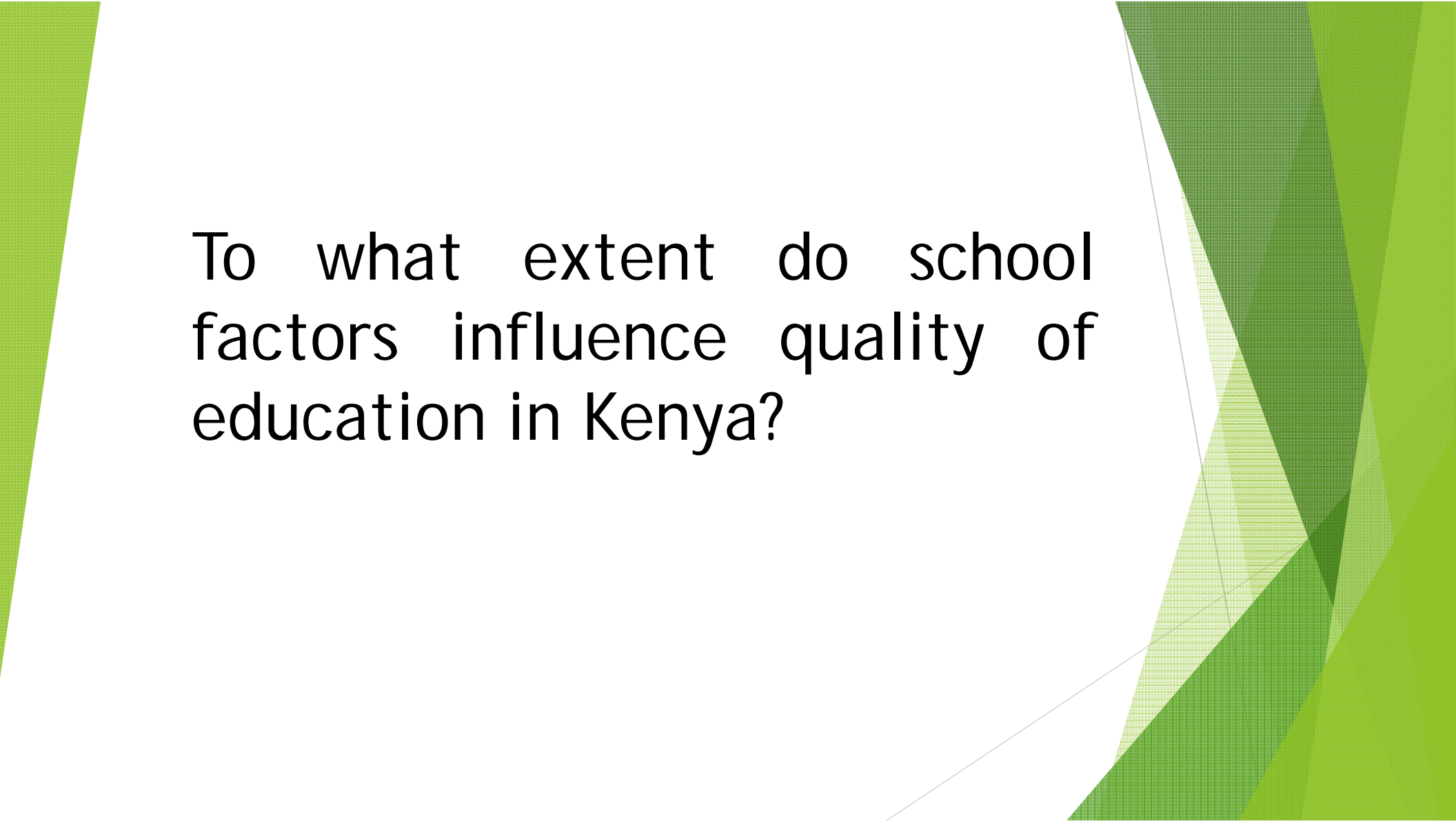
Quality of secondary school education in sub sahara Africa is notably low as compared to other parts of the world (Veerspoor, 2008; Lewin, 2008; World bank, 2007; 2008)

indicators

- Low enrollment
- Low completion rates(only a third of a cohort complete)
- Poor academic performance
- Limited subjects and learning activities(Veerspoor 2008,Lewin 2008)



Quality of education in developing countries is largely affected by school related factors than socio-economic factors (world bank 2008)



To what extent do school factors influence quality of education in Kenya?

Objectives

- To establish the extent to which school physical facilities influence KCSE mean score in public secondary schools in Kenya
- To find out the extent to which teacher motivation influences KCSE performance in Kenya

Objectives continued

- To establish the extent to which school financial resources influence KCSE mean score in public secondary schools in Kenya
- To find out the extent to which teaching and learning resources influence KCSE mean score in public secondary schools in Kenya

Hypotheses

- There is no significant relationship between school physical facilities and KCSE mean score in public secondary schools in Kenya
- There is no significant relationship between teacher motivation and KCSE mean score in public secondary schools in Kenya

Hypotheses continued

There is no significant relationship between school financial resources and KCSE mean score in public secondary schools in Kenya

There is no significant relationship between teaching and learning resources and KCSE mean score in public secondary schools in Kenya



Research Design

Cross sectional research survey
design

Sample size

County	Population (N)	Sample (n)				
		Principals	Teachers	Schools	Principals	Teachers
Kitui	364	364	3991	121	121	171
Kisii	336	336	3072	111	111	131
Nairobi	83	83	1554	28	28	66
	783	783	8617	260	260	368

FINDINGS

H01: physical facilities and KCSE mean score-by regression analysis

- $Y = 2.448 + 1.03x$ physical facilities
- Pvalue = 0.001 (i.e less than 0.05)
- $R^2 = 0.145$
- We reject the null hypothesis

Ho2: teacher motivation and KCSE mean score

- $Y = 3.38 + 0.621 \times \text{teacher motivation}$
- P value < 0.001 (less than 0.05)
- $R^2 = 0.065$
- We reject the null hypothesis

H03: teacher motivation and KCSE mean score

- $Y=2.04+1.82x$ school financial resources
- Pvalue=0.001 (less than 0.05)
- $R^2=0.111$
- We reject the null hypothesis

Ho4: Teaching and learning resources and KCSE mean score

- $Y = 2.631 + 0.836 X$ teaching and learning resources
- P value < 0.001 (less than 0.05)
- $R^2 = 0.115$
- We reject the null hypothesis

CONCLUSION

- Physical facilities predict KCSE mean score at 14.5 percent
- Teacher motivation predict KCSE mean score at 6.5 percent
- School financial resources predict KCSE mean score at 11.1percent
- Teaching and learning resources predict KCSE mean score at 11.5 percent

Recommendations

The government to fully take up responsibility of providing school physical facilities

Structured teacher motivation incentives system by TSC

Increased secondary school financial allocations(including boarding)