FAECAL DISPOSAL PRACTICES IN RELATION TO THE BURDEN OF FAECAL-ORAL INFECTIONS IN ISIOLO COUNTY, KENYA

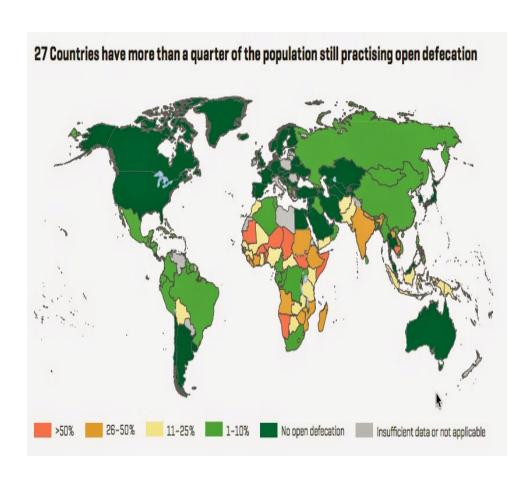
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Introduction



Open Defecation

- **❖**Globally 1.8 billion
- ❖Sub-Sahara Africa 215 million
- ❖Kenya 18% of the population
- ❖Isiolo County 37.6 households

Statement of the problem

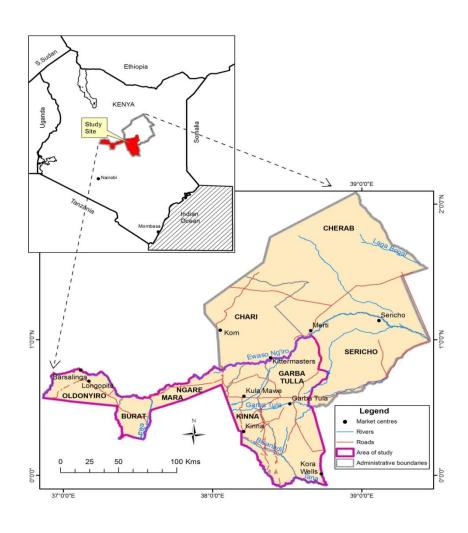


- Open defecation is rampant in Isiolo County.
- Risk of contracting Faecal-oral infections

Objective

To find out the common faecal-oral infections related to faecal disposal practices in Isiolo County.

Study area map

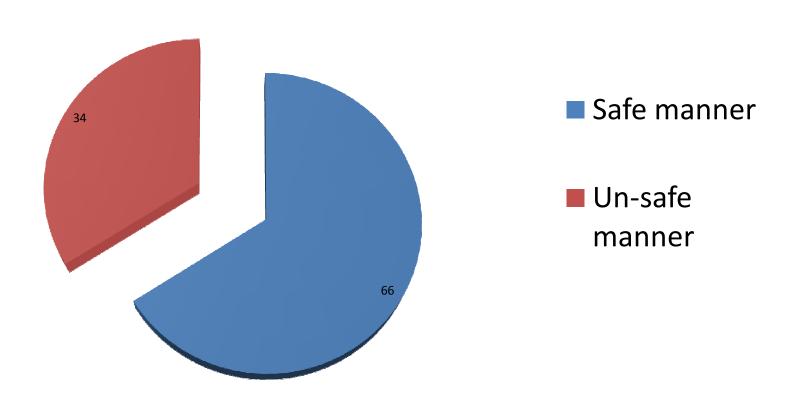


Research Design

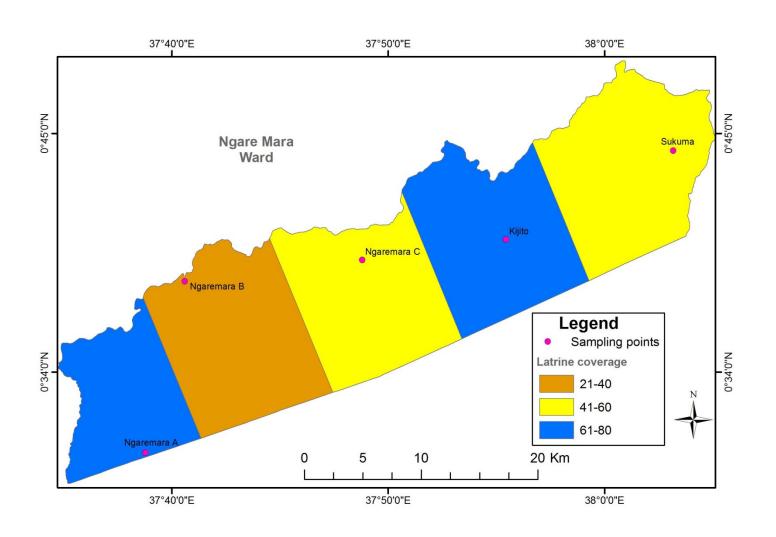
- Cross-sectional research design.
- Observational research design.
- Sample size
- $n = (Z^2pq)/e^2$
- $n= 1.96^2 \times 0.5 \times 0.5 / (0.05)^2 = 385.$
- Sampling procedure
- Purposive sampling
- Simple random sampling
- Data collection

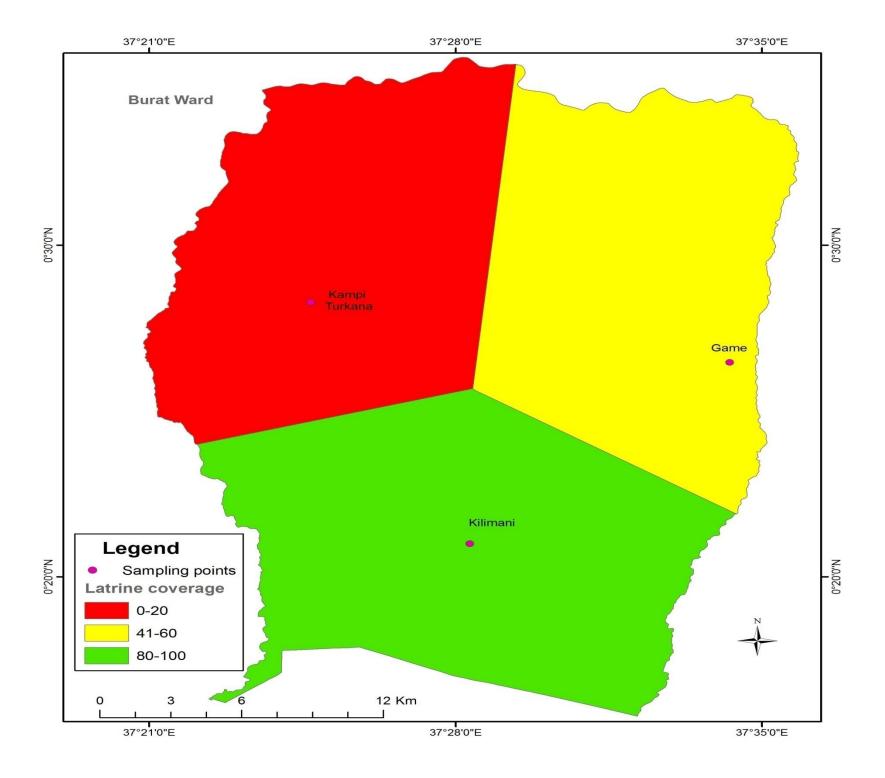
Questionnaires and existing Health records

Faecal disposal practices



Spatial distribution of latrine coverage



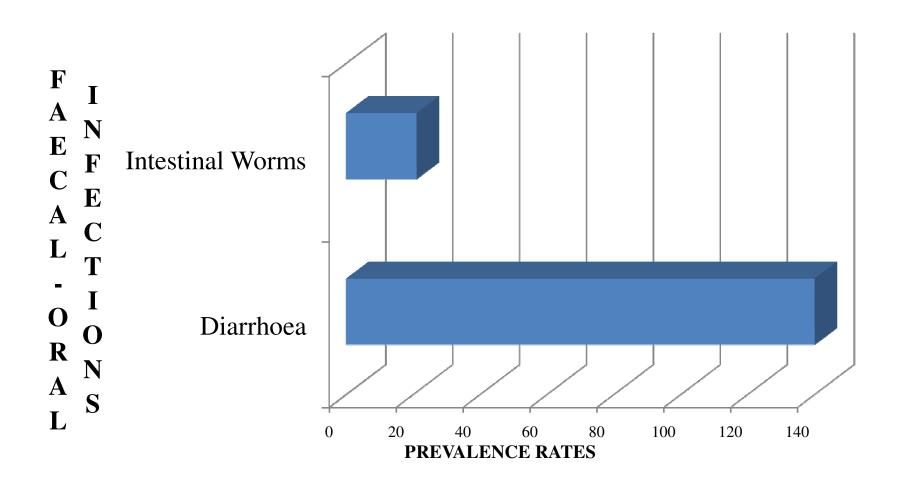


Characteristics of the household latrines n (254)

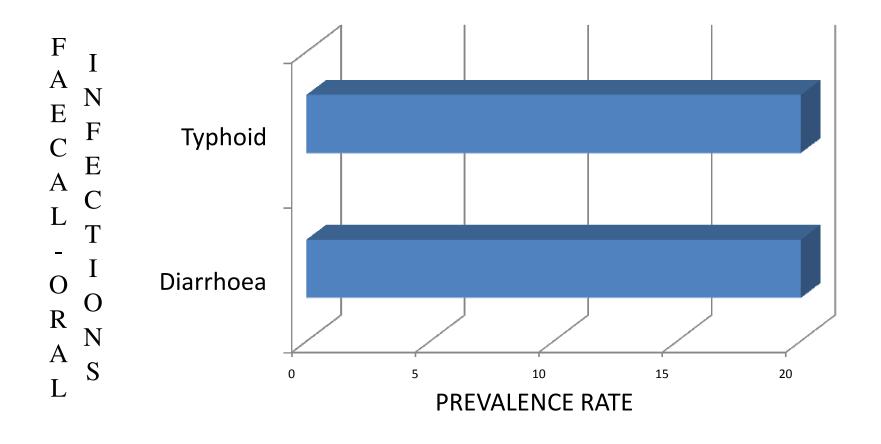
Variable		Frequency	Percentage
Latrine location	Less than 10M	50	20%
	10-20M	204	80%
Sub-total		254	100%
Slab	Slab present	217	85%
	Slab absent	37	15%
Sub-total		254	100%

Signs to show	Path leading to	195	77%
latrine is in	latrine clear		
use	Path leading to	39	15%
	latrine not		
	clear		
	Clean latrine	20	8%
Sub-total		254	100%
Cleaning	Present	154	61%
facility in the	Absent	100	39%
latrine vicinity			
Sub-total		254	100%

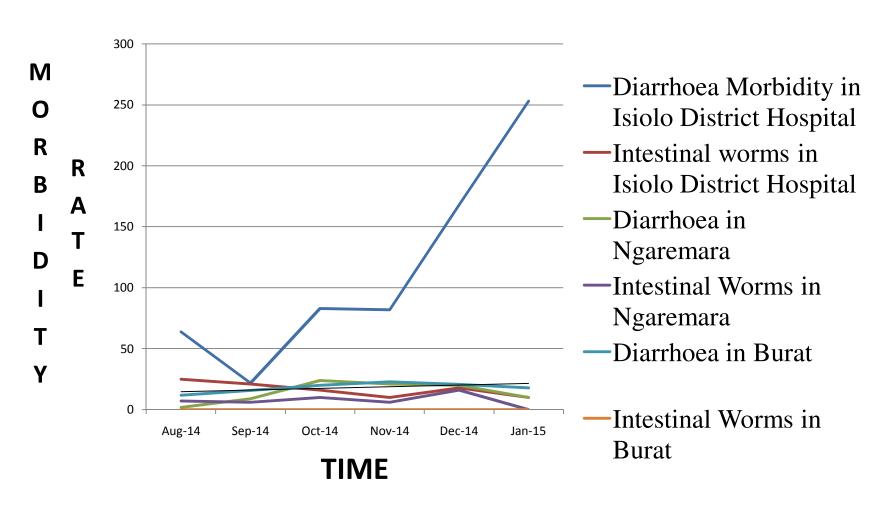
Prevalence rate of faecal-oral infections among the under-fives



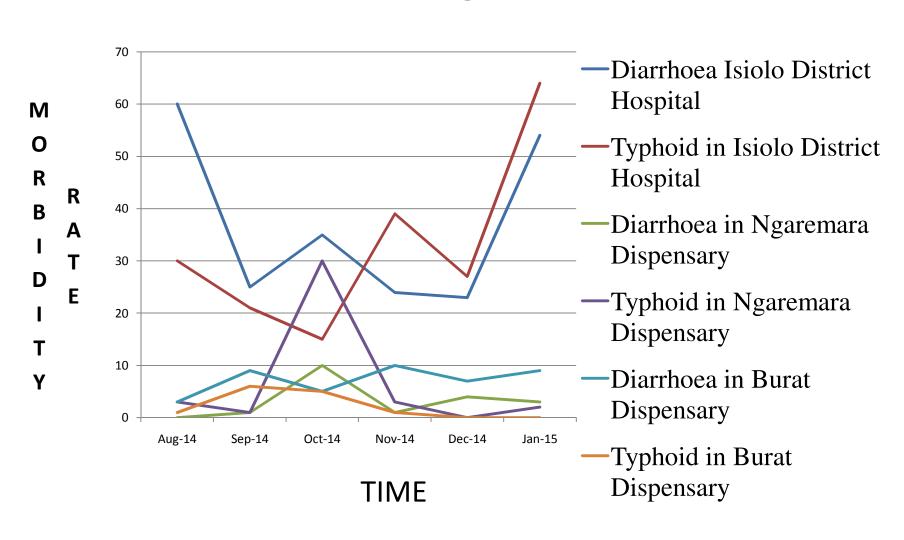
Prevalence rate of faecal-oral infections among the over fives



Temporal pattern of morbidity rate of faecaloral infections among the under fives



Temporal patterns of morbidity rate of faecal-oral infections among the over fives



Traditional pit latrine



A plastic slab



Simple pit latrine



Conclusion

 Un-Safe disposal of human excreta is a principle cause of transmission ofpathogens causing faecal-oral infections.

Acknowledgement

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- Dr. Tsimbiri

THANK YOU