

# Effect of a calendar intervention on PrEP continuation among adolescent girls and young women in Kenya



## Background information and setting

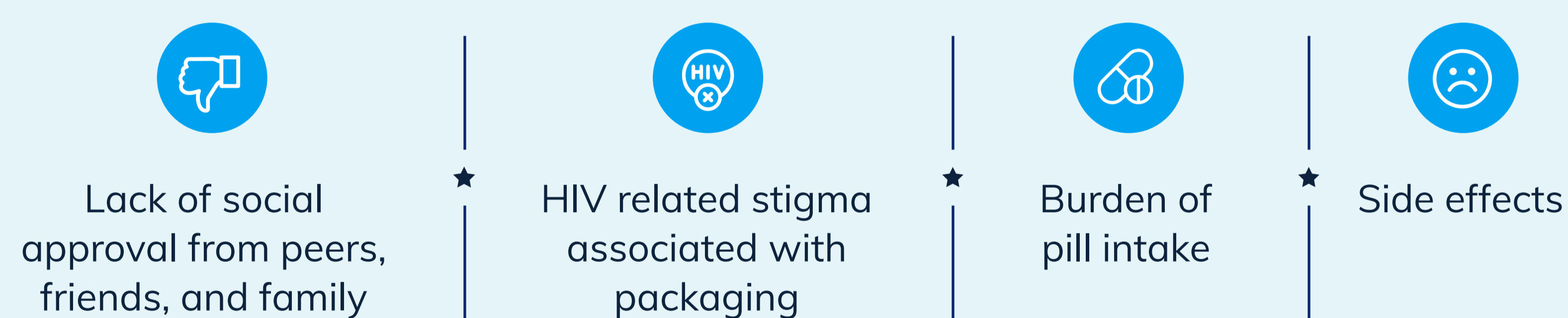
Globally, there has been progressive scale-up of daily oral pre-exposure prophylaxis (PrEP). While uptake among high-risk populations has gradually increased, PrEP use remains sub-optimal in many countries in sub-Saharan Africa, with high rates of discontinuation, especially among adolescent girls and young women (AGYW). The study is aimed at designing and testing interventions that boost continued use of oral PrEP in Kenya.

## Research Design



## Common Barriers

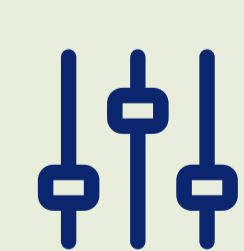
Highlighted during formative research and used to develop interventions



## Methodology - Pilot Experiment

To test the impact of the **analogue calendar**, a pilot experiment was run with 6 clinics. A sample size of N=300 was used. The study sample was divided into two groups at the clinic level. Quantitative refill data recorded at the clinics was used to evaluate the effectiveness of the intervention using a differences-in-differences method.

### 2 Treatment Groups



#### Control group (6 clinics)

Participants received a 'control flyer' containing information on side effects.

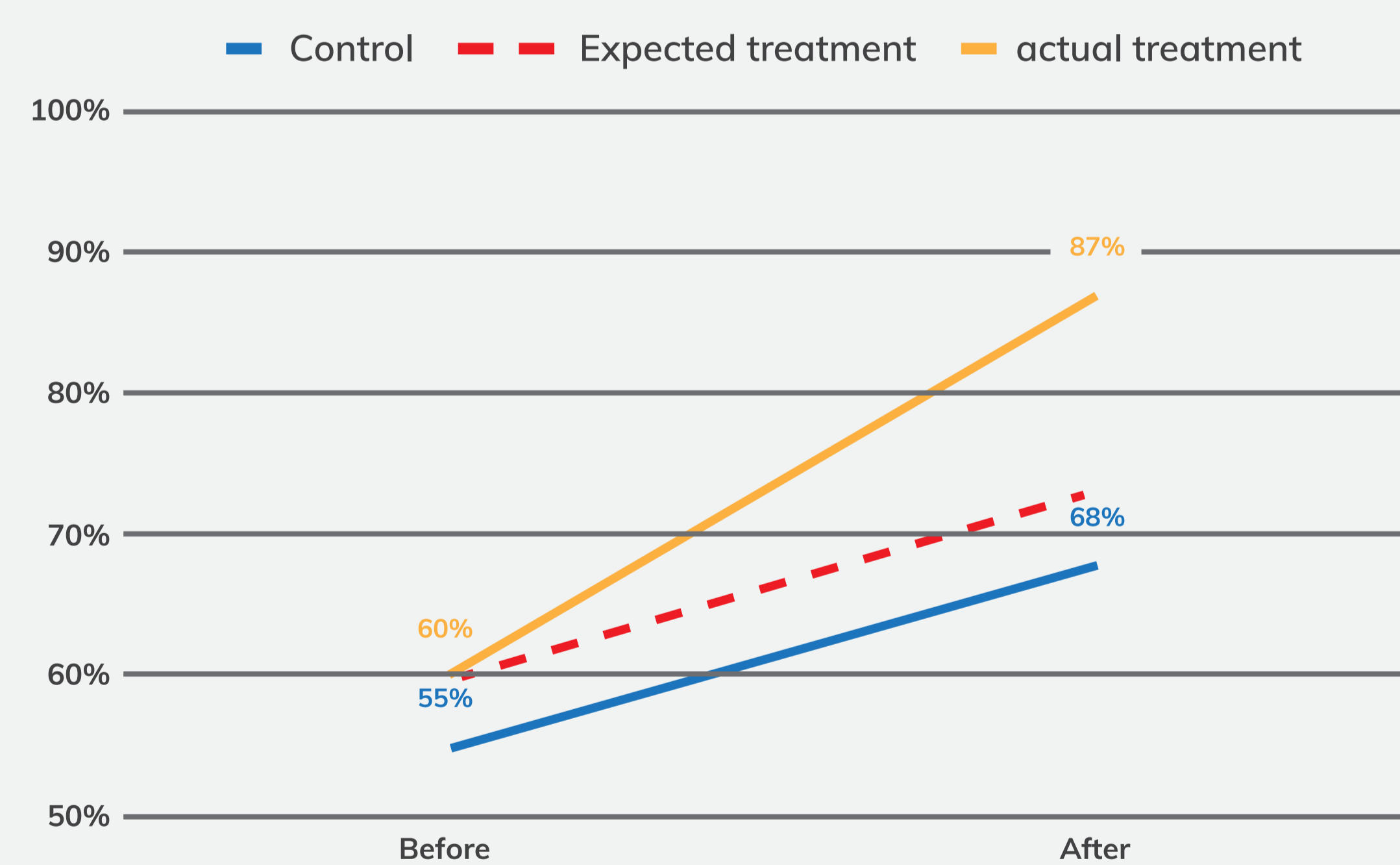


#### Treatment group (6 clinics)

Participants received a similar flyer but with an added peel-off sticker calendar containing motivational messages.

## Summary Results

We find a very large treatment effect of 14 pct. points - due to the relatively low number of clinics for this pilot, we are not achieving statistically significant results. However, findings suggest promising potential for the calendars to increase month 1 continuation rates.



Difference-in-Differences Estimation Results  
Number of observations in the DIFF-IN-DIFF: 17

	Before	After		
Control:	3	3	6	
Treated:	6	5	11	
	9	8		

Outcome var.	return	S. Err.	t	P> t
Before				
Control	55.00			
Treated	60.00			
Diff (T-C)	5.00	23.839	0.21	0.837
After				
Control	68.667			
Treated	87.400			
Diff (T-C)	18.733	24.621	0.76	0.460
Diff-in-Diff	13.733	34.271	0.40	0.695

R-square: 0.16  
\* Means and Standard Errors are estimated by linear regression  
\*\* Inference: \*\*\* p<0.01; \*\* p<0.05; \* p<0.1

