

SUPPLEMENTARY MATERIAL

The Combination of Pill Count and Self-Reported Adherence is a Strong Predictor of First-Line ART Failure for Adults in South Africa

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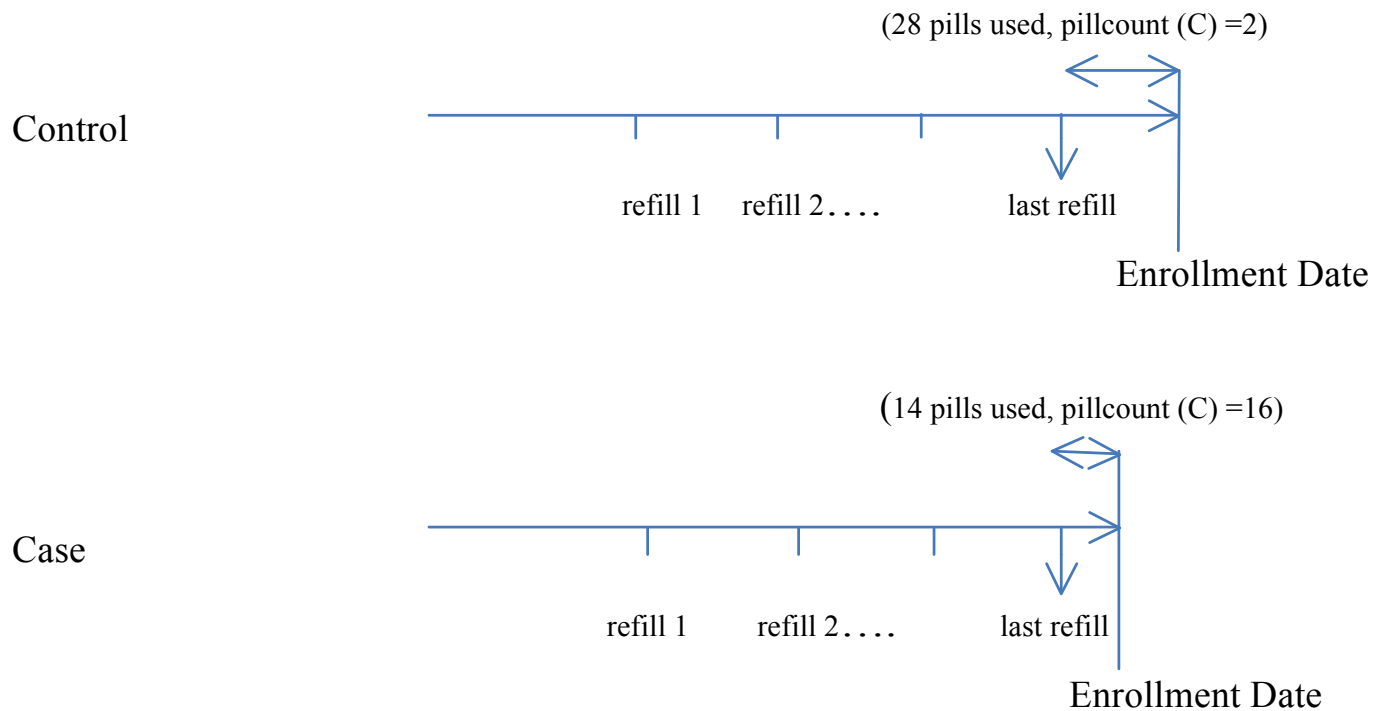
Supplemental Table 1. “Antiretroviral Hierarchy”.

Drugs [£]	Name
1. EFV	Efavirenz
2. TDF	Tenofovir DisoproxilFumarate
3. FTC/TDF	Emtricitabine and Tenofovir
4. FTC	Emtricitabine
5. 3TC	Lamivudine
6. 3TC/ZDV	Lamivudine and Zidovudine
7. ZDV	Zidovudine (Azidothymidine)
8. 3TC/ABC	Lamivudine and Abacavir
9. d4T	Stavudine
10. ddI	Didanosine
11. LPV/r	Lopinavir and Rionavir
12. ABC	Abacavir

[£] Antiretroviral in order by hierarchy rank.

Supplemental Table 2. Self-reported questions.

Questions	Response Options (Score Recorded)			
1. How many doses have you missed in the last week?				
2. How many doses have you missed in the last month?				
3. How many doses did you take more than 1 hour late in the last week?				
4. How many doses did you take more than 1 hour late in the last month?				
5. How do you remember to take your meds? (choice=Cell phone (3))	No (0)	Yes (1)		
6. How do you remember to take your meds? (choice=Media (TV/Radio) (7))	No (0)	Yes (1)		
7. How do you remember to come for your drug collection appointment? (choice=Cellphone (3))	No (0)	Yes (1)		
In the past 6 months, which of the following reasons make it difficult for you to take ARVs (show scale and rank)?				
8. You were away from home?	Never (0)	Rarely (1)	Sometimes (2)	Frequently (3)
9. You were busy with other things?	Never (0)	Rarely (1)	Sometimes (2)	Frequently (3)
10. You fell asleep through dose time?	Never (0)	Rarely (1)	Sometimes (2)	Frequently (3)
11. You ran out of pills?	Never (0)	Rarely (1)	Sometimes (2)	Frequently (3)
12. You forgot to take pills?	Never (0)	Rarely (1)	Sometimes (2)	Frequently (3)
13. You had wanted to avoid side effects?	Never (0)	Rarely (1)	Sometimes (2)	Frequently (3)



Supplemental Fig. (1). Pharmacy Refill Claims.