

Table S1. Model resulting in the denominator of the stabilized IPW weights

Parameter	Odds ratio	95% confidence interval		p-value
Program				
AMPATH	1.00			
IDI	0.60	0.54	0.66	<0.0001
MTCT+	0.26	0.22	0.30	<0.0001
FACES	2.76	2.46	3.09	<0.0001
Enrollment year				
<2004	1.00			
2005-2006	0.92	0.88	0.96	<0.0001
≥2007	0.82	0.78	0.85	<0.0001
Clinic type				
Referral center	1.00			
Health center	1.07	1.03	1.12	0.0016
(sub) district hospital	0.79	0.76	0.83	<0.0001
Prevalent pregnancy	24.65	14.00	43.40	<0.0001
Baseline WHO stage (3/4 vs. 1/2)	1.35	1.20	1.51	<0.0001
Baseline CD4 count (cells/μL)				
<100	1.00			
≥350	0.18	0.14	0.23	<0.0001
200-349	0.64	0.57	0.73	<0.0001
100-199	2.30	2.05	2.58	<0.0001
Baseline weight (kgs)	0.95	0.94	0.96	<0.0001
Longitudinal CD4 count (cells/μL)				
<100	1.00			
≥350	1.41	1.11	1.77	0.0042
200-349	1.03	0.91	1.17	0.6300
100-199	0.90	0.80	1.01	0.0650
Longitudinal weight (kgs)	1.06	1.05	1.07	<0.0001
Longitudinal WHO stage (3/4 vs. 1/2)	1.00	0.90	1.12	0.9585
Prevalent pregnancy × baseline CD4 count				
<100	1.00			
≥350	2.20	0.94	5.15	0.0681
200-349	1.22	0.65	2.29	0.5437
100-349	0.58	0.29	1.16	0.1268
Prevalent pregnancy × longitudinal CD4 count				
<100	1.00			
≥350	1.84	0.79	4.29	0.1548
200-349	1.13	0.60	2.11	0.7124
100-199	0.88	0.45	1.73	0.7105
Prevalent pregnancy × longitudinal weight	1.00	0.99	1.01	0.5020
Linear trend of time (years)	45.91	36.87	57.17	<0.0001
Quadratic trend of time	0.24	0.21	0.27	<0.0001

Table S2. Model resulting in the numerator of the stabilized IPW weights

Parameter	Odds ratio	95% confidence interval		p-value
Program				
AMPATH	1.00			
FACES	2.77	2.48	3.10	<.0001
IDI	0.60	0.54	0.66	<.0001
MTCT+	0.25	0.22	0.30	<.0001
Clinic type				
Referral hospital	1.00			
(sub) district hospital	0.79	0.76	0.83	<.0001
Health center	1.07	1.03	1.12	0.0016
Enrollment year				
<2004	1.00			
2005-2006	0.92	0.88	0.96	<.0001
>2007	0.82	0.78	0.86	<.0001
Prevalent pregnancy	9.79	5.08	18.87	<.0001
Baseline CD4 count (cells/μL)				
<100	1.00			
100-199	0.72	0.67	0.77	<.0001
200-349	0.23	0.21	0.25	<.0001
$\geq$350	0.08	0.07	0.09	<.0001
Baseline weight (kgs)	1.0	1.00	1.01	<.0001
Baseline WHO stage (3/4 vs. 1/2)	1.34	1.26	1.42	<.0001
Prevalent pregnancy $\times$ baseline CD4 count				
<100	1.00			
100-199	1.29	0.75	2.20	0.3537
200-349	3.40	2.13	5.44	<.0001
$\geq$350	9.88	6.29	15.51	<.0001
Prevalent pregnancy $\times$ baseline weight	1.00	0.99	1.01	0.4834
Linear time trend	50.07	40.35	62.13	<.0001
Quadratic time trend	0.23	0.20	0.26	<.0001