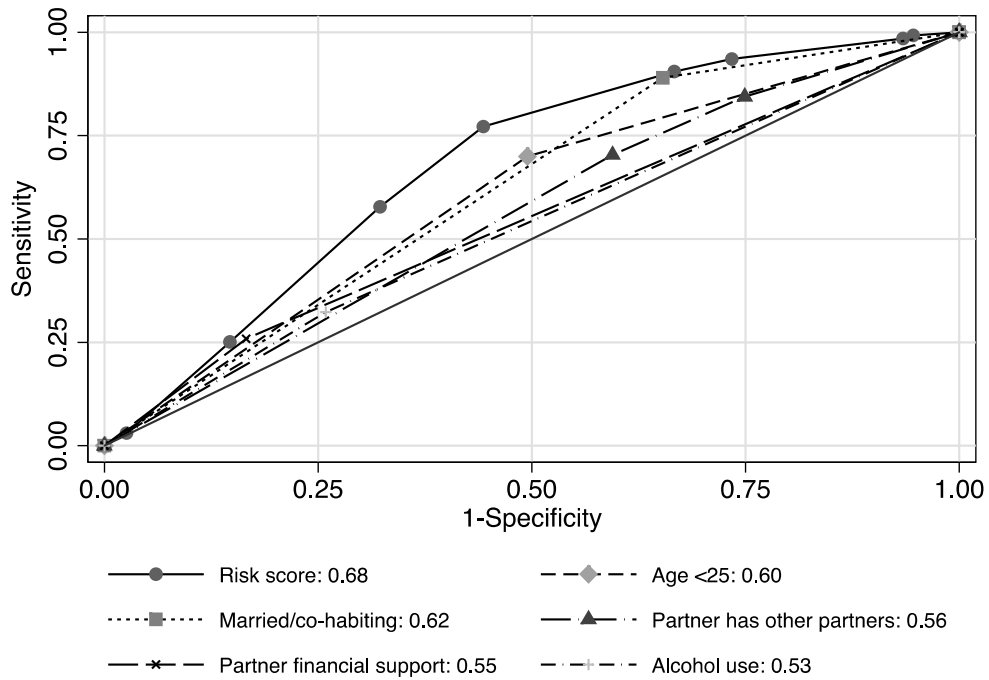
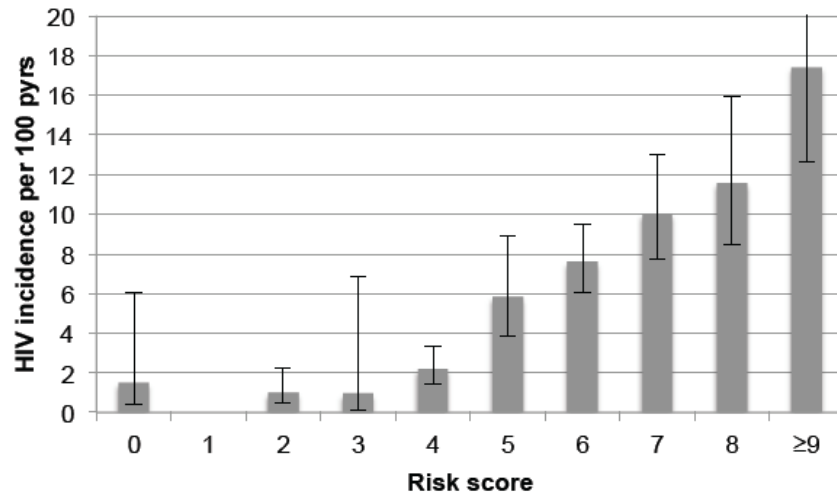


Supplemental Figure 1a. Area under the ROC curve for full risk score and each individual predictor



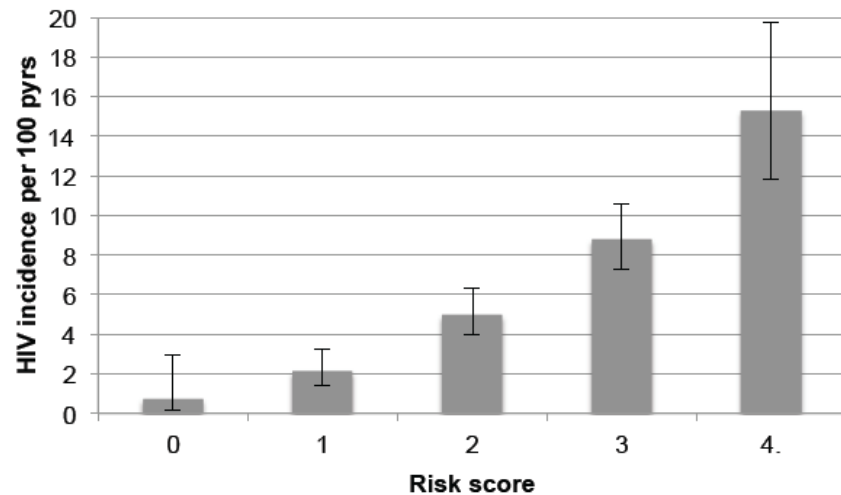
Supplemental Figure 1b. Area under the ROC curve for modified risk score and each individual predictor

A



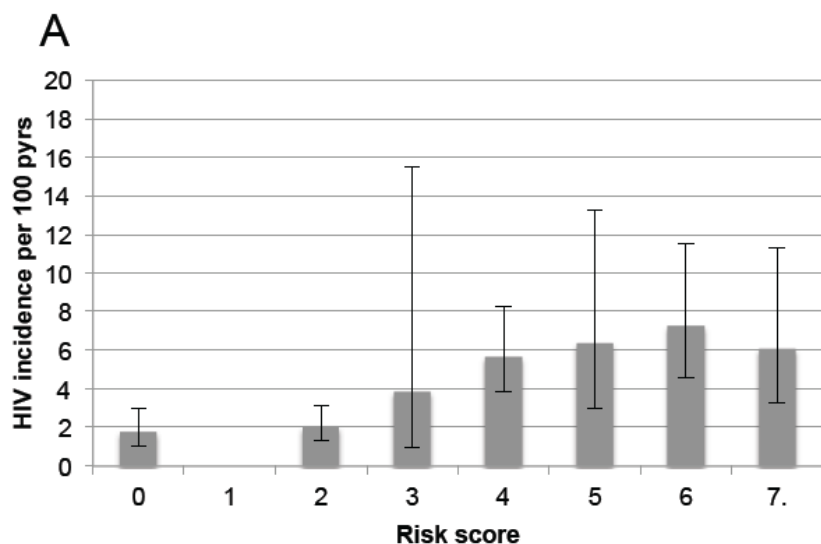
Risk score	# of HIV infections	Total # of women	HIV incidence 95% CI
0	2	141	1.52 (0.38, 6.07)
1	0	15	-- (---)
2	6	638	1.01 (0.46, 2.26)
3	1	116	0.96 (0.14, 6.84)
4	22	1,096	2.19 (1.44, 3.33)
5	22	414	5.85 (3.85, 8.88)
6	76	1,128	7.60 (6.07, 9.52)
7	58	656	10.02 (7.75, 12.97)
8	38	374	11.57 (8.42, 15.90)
≥9	38	256	17.40 (12.66, 23.92)

B

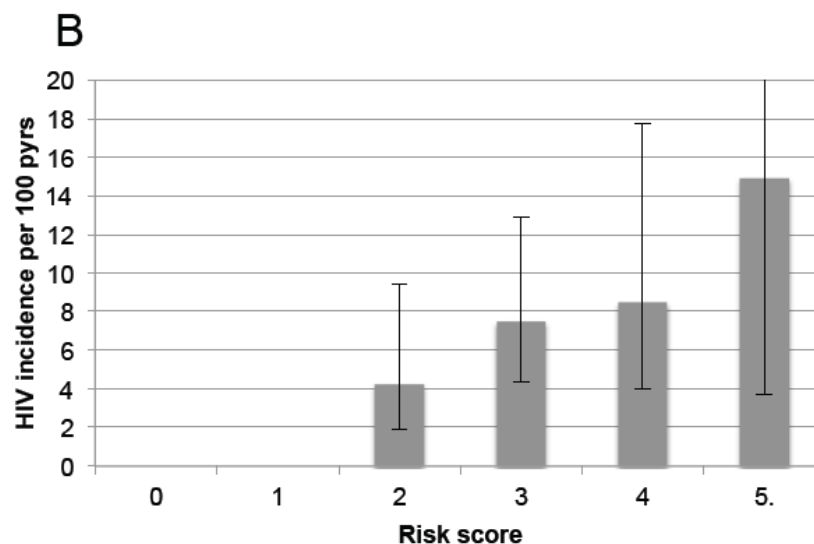


Risk score	# of HIV infections	Total # of women	HIV incidence 95% CI
0	2	289	0.74 (0.18, 2.94)
1	22	1,125	2.14 (1.41, 3.25)
2	70	1,561	4.99 (3.95, 6.30)
3	111	1,425	8.79 (7.29, 10.58)
4	58	434	15.29 (11.82, 19.78)

Supplemental Figure 2. HIV incidence and 95% confidence intervals by risk score value for adapted versions for the full and modified VOICE risk score. (A) This score includes variables for age, marital/co-habiting status, partner provides financial support, partner has other partners, any curable STI at baseline and HSV-2 status. Point values for each variable are the same as in the full risk score. The AUC using the full VOICE dataset was 0.70 and the mean AUC from 10-fold cross validation was 0.69 ((5% CI 0.66, 0.72). (B) This score includes variables for age (<25 =1 point), marital/co-habiting status (no=1 point), partner has other partners (yes or don't know=1 point), and any curable STI at baseline (yes=1point). For the risk score applied in figure B, the AUC using the full VOICE dataset was 0.68 and the mean AUC from 10-fold cross validation was 0.69 ((5% CI 0.66, 0.72).



Risk score	# of HIV infections	Total # of women	HIV incidence 95% CI
0	14	769	1.77 (1.05, 3.00)
1	0	35	0.00 ---
2	21	1,015	2.01 (1.31, 3.09)
3	2	51	3.87 (0.97, 15.49)
4	26	457	5.63 (3.84, 8.27)
5	7	111	6.34 (3.02, 13.29)
6	18	247	7.25 (4.57, 11.51)
7	10	163	6.07 (3.27, 11.28)



Risk score	# of HIV infections	Total # of women	HIV incidence 95% CI
0	0	15	0.00 --
1	0	57	0.00 --
2	6	190	4.22 (1.90, 9.40)
3	13	233	7.48 (4.34, 12.89)
4	7	114	8.46 (4.03, 17.75)
5	2	19	14.90 (3.73, 59.58)

Supplemental Figure 3. HIV incidence and 95% confidence intervals by risk score for HPTN 035 (A) and FEM-PrEP (B). HIV incidence and 95% confidence intervals by risk score for HPTN 035, excluding variable for any curable STI at baseline and HSV-2 status (A). Point values for each variable are the same as in the full risk score. FEM-PrEP HIV incidence restricted to 628 participants who underwent HSV-2 testing at baseline and includes variables for age (<25 =1 point), marital/co-habiting status (no=1 point), partner has other partners (yes or don't know=1 point), any curable STI at baseline (yes=1point), and HSV-2 status (yes=1 point) (B).