

Supplementary Table 1: Checklist for STI Risk Assessment for IUD candidates

Checklist for STI Risk Assessment of IUD candidates		
Name: _____		Date: _____
Please circle the appropriate answer below:		
#	Question	Answer
1	Is the client less than 25 years old?	1.... Yes 0.... No
2.	Is she currently living apart from her husband or partner?	1.... Yes 0.... No
3.	During the last year, has she had bleeding between periods or spotting within 24 hours after sex?	1.... Yes 0.... No
4.	Is her school education less than secondary level*?	1.... Yes 0.... No
5.	How many different sexual partners has she had during the last 3 months? <i>Check A if none, B if one and C if more than one.</i>	
	A. <input type="checkbox"/> None	0
	B. <input type="checkbox"/> One No condoms use	0
	Some condom use	1
	Always used condoms	0
	C. <input type="checkbox"/> More than one No condoms use	1
	Some condom use	1
	Always used condoms	0

Add up the circled scores**Total Score = _____**

	Low Cervical Infection Population (<10%)	High Cervical Infection Population (=10%)
Recommended Action		
Counsel/refer for an IUD insertion without any reservation	If score is 0-2	If score is 0
Consider presumptive treatment for chlamydia/gonorrhoea (if available) to counsel/refer to use another contraceptive method	If score is 3+	If score is 1+

*The level may change from less than secondary to a higher educational level if almost all women (>90%) have at least some secondary

Supplementary Table 2: Frequency distribution of reproductive tract infections by reported ART use and screening tool criterion among women living with HIV screened for participation in an IUD trial, Cape Town, South Africa

	Non-ART (n=146, 48%)	ART-user (n=157, 52%)	Total (n=303)	p-value
Prevalence of RTIs				
Gonorrhoea	12 (8%)	8 (5%)	20 (7%)	0.252
Chlamydia+	20 (14%)	13 (8%)	33 (11%)	0.114
Trichomoniasis+	19 (13%)	18 (11%)	37 (12%)	0.664
Bacterial vaginosis	32 (22%)	22 (14%)	54 (18%)	0.068
Any reproductive tract infection (RTI)	62 (43%)	54 (34%)	116 (38%)	0.149
Co-infection (>1 RTI)	18 (12%)	5 (3%)	23 (8%)	0.003
Abnormal Vaginal discharge ‡	24 (17%)	18 (12%)	42 (14%)	0.191
	Non-reactive RTI (n=187, 62%)	Reactive RTI (n=116, 38%)	Total (n=303)	p-value
Risk screening tool criterion				
<25 years	20 (11%)	19 (16%)	39 (13%)	0.151
Live apart from partner	121 (65%)	73 (63%)	194 (64%)	0.754
Spotting/bleeding after sex	8 (4%)	6 (5%)	14 (5%)	0.719
Did not complete secondary schooling	147 (79%)	90 (78%)	237 (79%)	0.528
Sexually active in the last 3 months	186 (81%)	68 (92%)	254 (84%)	0.030
Inconsistent condom use	65 (42%)	42 (42%)	107 (42%)	0.887
Mean risk score (SD)	1.91 (0.83)	1.98 (0.98)	1.94 (0.887)	0.546
Abnormal Vaginal discharge ‡	12 (7%)	30 (26%)	42 (14%)	<0.001

Not recorded for six women

+ Five women were not tested for gonorrhoea and chlamydia

Supplementary Table 3: Univariate logistic regression of risk score and detectable reproductive tract infection

Score	Total (n=303)	Non-reactive RTI (n=187, 62%)	Non-reactive RTI (n=187, 62%)	OR (95% CI)
0	12 (4%)	10 (4%)	2 (3%)	ref
1	81 (27%)	63 (28%)	18 (24%)	0.65 (0.19 - 2.20)
2	132 (44%)	106 (46%)	26 (35%)	0.45 (0.13 - 1.48)
3	69 (23%)	44 (19%)	25 (34%)	0.92 (0.27 - 3.12)
4+	9 (3%)	6 (3%)	3 (4%)	0.80 (0.14 - 4.53)