

Data from: <http://dx.doi.org/10.1111/1468-1293.2008.00596.x>
 Mills E, Cooper C, Anema A, Guyatt G. Male circumcision for the prevention of heterosexually acquired HIV infection: A meta-analysis of randomized trials involving 11,050 men. *HIV Med* 2008;9(6):332-335. [<http://dx.doi.org/10.1111/1468-1293.2008.00596.x>]
 I have not included 95% confidence intervals so that my table could be compared to Prof Millard's

Study location	n		Outcomes		Relative risk reduction %	Absolute risk reduction %	Relative risk reduction %	Numbers needed to treat/prevent HIV infection	
	Intervention	Control	Intervention	Control				Intervention	Control
South Africa	3128	20/1546	49/1582	58	1.8	55			
Uganda	4996	22/2474	45/2522	50	0.9	111			
Kenya	2780	19/1388	46/1392	59	1.9	52			
Total	10904								

ALL THREE TRIALS	Intervention		Control		Total	Intervention	Control	Total	Intervention	Control	Total
	n	%	n	%							
HIV positive	61	0.011279586	140	0.025473071	201	22	45	67	19	46	65
Not HIV positive	5347	0.011279586	5356	0.025473071	10703	2452	2477	4929	1369	1346	2715
Total	5408	0.011279586	5496	0.025473071	10904	2474	2522	4996	1388	1392	2780
Event rate	0.011279586	0.025473071	0.025473071	0.025473071	0.025473071	0.008892482	0.017842982	0.017842982	0.013688761	0.033045977	0.013688761
Absolute risk reduction	-0.014193486					-0.0089505	-0.017842982	-0.017842982	-0.019357216	-0.033045977	-0.019357216
Relative risk reduction	-0.577195689					-0.501625797	-0.501625797	-0.501625797	-0.585766195	-0.585766195	-0.585766195
Number needed to treat	-70.45485749					-111.7256025	-111.7256025	-111.7256025	-51.66032086	-51.66032086	-51.66032086
Relative risk	0.442804311					0.498374203	0.498374203	0.498374203	0.414233805	0.414233805	0.414233805

SOUTH AFRICA	Intervention		Control		Total	Intervention	Control	Total	Intervention	Control	Total
	n	%	n	%							
HIV positive	20	0.012936611	49	0.030973451	69	22	45	67	19	46	65
Not HIV positive	1526	0.012936611	1533	0.030973451	3059	2452	2477	4929	1369	1346	2715
Total	1546	0.012936611	1582	0.030973451	3128	2474	2522	4996	1388	1392	2780
Event rate	0.012936611	0.030973451	0.030973451	0.030973451	0.030973451	0.008892482	0.017842982	0.017842982	0.013688761	0.033045977	0.013688761
Absolute risk reduction	-0.01803684					-0.0089505	-0.017842982	-0.017842982	-0.019357216	-0.033045977	-0.019357216
Relative risk reduction	-0.58233229					-0.501625797	-0.501625797	-0.501625797	-0.585766195	-0.585766195	-0.585766195
Number needed to treat	-55.4420819					-111.7256025	-111.7256025	-111.7256025	-51.66032086	-51.66032086	-51.66032086
Relative risk	0.417667714					0.498374203	0.498374203	0.498374203	0.414233805	0.414233805	0.414233805

UGANDA	Intervention		Control		Total	Intervention	Control	Total	Intervention	Control	Total
	n	%	n	%							
HIV positive	15	0.011279586	45	0.033045977	60	22	45	67	19	46	65
Not HIV positive	4981	0.011279586	4911	0.033045977	9892	2452	2477	4929	1369	1346	2715
Total	5000	0.011279586	4956	0.033045977	9956	2474	2522	4996	1388	1392	2780
Event rate	0.011279586	0.033045977	0.033045977	0.033045977	0.033045977	0.008892482	0.017842982	0.017842982	0.013688761	0.033045977	0.013688761
Absolute risk reduction	-0.014193486					-0.0089505	-0.017842982	-0.017842982	-0.019357216	-0.033045977	-0.019357216
Relative risk reduction	-0.577195689					-0.501625797	-0.501625797	-0.501625797	-0.585766195	-0.585766195	-0.585766195
Number needed to treat	-70.45485749					-111.7256025	-111.7256025	-111.7256025	-51.66032086	-51.66032086	-51.66032086
Relative risk	0.442804311					0.498374203	0.498374203	0.498374203	0.414233805	0.414233805	0.414233805

KENYA	Intervention		Control		Total	Intervention	Control	Total	Intervention	Control	Total
	n	%	n	%							
HIV positive	19	0.013688761	46	0.033045977	65	22	45	67	19	46	65
Not HIV positive	2761	0.013688761	2740	0.033045977	5501	2452	2477	4929	1369	1346	2715
Total	2780	0.013688761	2786	0.033045977	5566	2474	2522	4996	1388	1392	2780
Event rate	0.013688761	0.033045977	0.033045977	0.033045977	0.033045977	0.008892482	0.017842982	0.017842982	0.013688761	0.033045977	0.013688761
Absolute risk reduction	-0.019357216					-0.0089505	-0.017842982	-0.017842982	-0.019357216	-0.033045977	-0.019357216
Relative risk reduction	-0.585766195					-0.501625797	-0.501625797	-0.501625797	-0.585766195	-0.585766195	-0.585766195
Number needed to treat	-51.66032086					-111.7256025	-111.7256025	-111.7256025	-51.66032086	-51.66032086	-51.66032086
Relative risk	0.414233805					0.498374203	0.498374203	0.498374203	0.414233805	0.414233805	0.414233805

Event rate = HIV positive (event)/ total subjects
 intervention (Experimental) event rate (EER)
 Control event rate (CER)

Absolute risk reduction (ARR) = EER - CER
 Relative risk reduction (RRR) = (EER - CER)/CER
 Number needed to treat (NNT) = 1/(EER - CER)
 Relative risk (RR) = EER/CER

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