

Appendix 5. Tables supporting Figures 3 and 4.

Table 1. Bias in prevalence estimate as a function of the false positive rate and true prevalence of disease (selected values only).*

True Prevalence	False Positive Rate	Estimated Prevalence	Bias in prevalence estimate
0.02	0.01	0.03	0.01
	0.05	0.07	0.05
	0.1	0.12	0.10
	0.2	0.22	0.20
	0.4	0.41	0.39
0.1	0.01	0.10	0.00
	0.05	0.14	0.04
	0.1	0.19	0.09
	0.2	0.28	0.18
	0.4	0.46	0.36
0.25	0.01	0.25	-0.01
	0.05	0.28	0.03
	0.1	0.31	0.06
	0.2	0.39	0.14
	0.4	0.54	0.29
0.4	0.01	0.39	-0.01
	0.05	0.41	0.01
	0.1	0.44	0.04
	0.2	0.50	0.10
	0.4	0.62	0.22

* Assumes false negative rate of 0.05.

Table 2. Effective sample size as a function of the false positive rate, true prevalence of disease and sample size (selected values only).*

Actual Sample Size (n=100)			Actual Sample Size (n=1000)		
Prevalence	False positive rate	Effective sample size	Prevalence	False positive rate	Effective sample size
0.02	0.01	55	0.02	0.01	186
	0.05	7		0.05	8
	0.1	2		0.1	2
	0.2	0		0.2	1
	0.4	0		0.4	0
0.1	0.01	95	0.1	0.01	824
	0.05	32		0.05	52
	0.1	10		0.1	12
	0.2	3		0.2	3
	0.4	1		0.4	1
0.25	0.01	100	0.25	0.01	893
	0.05	72		0.05	227
	0.1	31		0.1	45
	0.2	9		0.2	10
	0.4	2		0.4	2
0.4	0.01	94	0.4	0.01	554
	0.05	95		0.05	702
	0.1	59		0.1	130
	0.2	19		0.2	23
	0.4	5		0.4	5