

Table 1. Results of the mixed-effects model incorporating all meta-analyses

| Outcome | Relative change of sensitivity or specificity (95% CI) | P value |
|--|---|----------------|
| Stratification by prevalence quartiles | | |
| Sensitivity | | |
| 1st quartile | Reference | |
| 2nd quartile | 1.99% (-0.25%, 4.28%) | 0.08 |
| 3rd quartile | 3.56% (1.34%, 5.82%) | 0.002 |
| 4th quartile | 3.96% (1.63%, 6.36%) | 0.001 |
| Specificity | | |
| 1st quartile | Reference | |
| 2nd quartile | -2.38% (-4.10%, -0.63%) | 0.008 |
| 3rd quartile | -3.91% (-5.56%, -2.23%) | <0.001 |
| 4th quartile | -8.36% (-10.02%, -6.67%) | <0.001 |
| Stratification by arbitrary cutoffs of prevalence (25%, 50%, 75%, and 100%) | | |
| Sensitivity | | |
| Prevalence ≤25% | Reference | |
| Prevalence 25%-50% | 4.95 % (2.59%, 7.36%) | <0.001 |
| Prevalence 50%-75% | 7.15% (3.85%, 10.55%) | <0.001 |
| Prevalence >75% | 6.81% (2.06%, 11.77%) | 0.005 |
| Specificity | | |
| Prevalence ≤25% | Reference | |
| Prevalence 25%-50% | -4.38% (-6.10%, -2.63%) | <0.001 |
| Prevalence 50%-75% | -10.07% (-12.29%, -7.79%) | <0.001 |
| Prevalence >75% | -15.79% (-18.80%, -12.68%) | <0.001 |