|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **Patient Criteria Assignment** | | |
| **Positive if :** | **Negative if :** | **Excluded from analysis if :** |
| Most-Recent Criteria | Last available VRE swab before blood culture is positive | Last available VRE swab before blood culture is negative | No VRE swab result available at any time |

Table S1 : Patient Criteria Assignment

|  |  |  |
| --- | --- | --- |
| **Most-Recent Criteria** | | |
|  | VRE Screen + | VRE Screen - |
| VRE in Blood Culture | 33 | 13 |
| No VRE in Blood Culture | 44 | 240 |
| **Data Extracted from Brasg et al(1)** | | |
|  | VRE Screen + | VRE Screen - |
| VRE in Sterile Culture | 7 | 3 |
| No VRE in Sterile Culture | 12 | 466 |

Table S2 : 2x2 diagnostic tests

|  |  |  |
| --- | --- | --- |
| **Test Property** | **Most-Recent Criteria**  **(N=330)** | **Pooled Estimates (N=818)** |
| Sensitivity (95% CI) | 71.7 (56.5, 84.0) | 70.9 (57.6, 81.4)\* |
| Specificity (95% CI) | 84.5 (79.8, 88.5) | 93.5 (67.7, 99.0)\* |
| LR+ (95% CI) | 4.73 (3.40, 6.53) | 16.6 (2.17, 67.6) |
| LR- (95% CI) | 0.332 (0.180, 0.487) | 0.329 (0.205, 0.491) |
| *VRE proportion* below which NPV > 90% | 26.0 (18.6, 38.2) | 26.0 (18.4, 35.2) |
| *VRE proportion* below which NPV > 95% | 14.4 (9.76, 22.6) | 14.3 (9.68, 20.5) |

Table S3 : Diagnostic properties of the Most-Recent criteria, and the pooled estimates. \*Cross-hair estimates (see Figure S1).

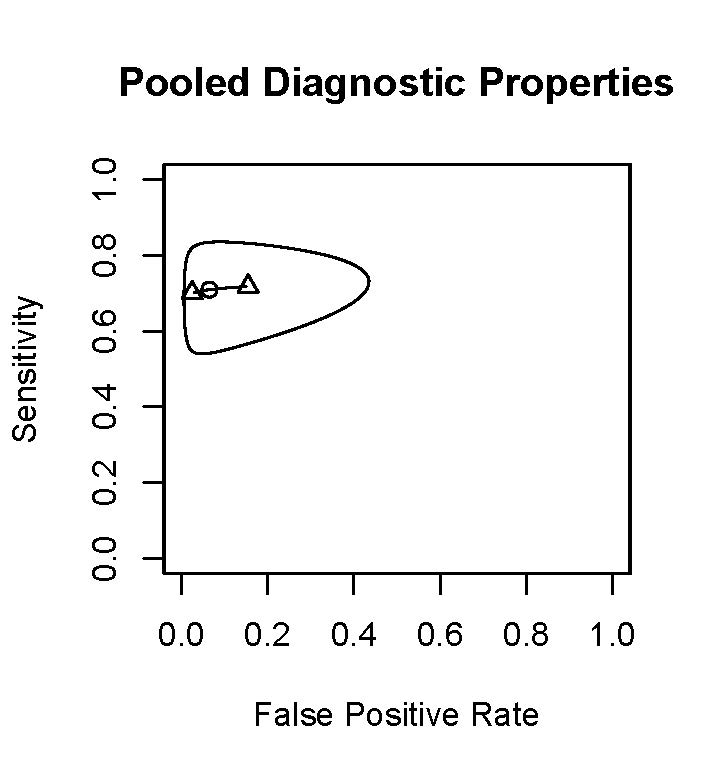


Figure S1 : Pooled diagnostic properties and 95% confidence intervals for sensitivity and false positive ratio (1-specificity) as a function of each other.

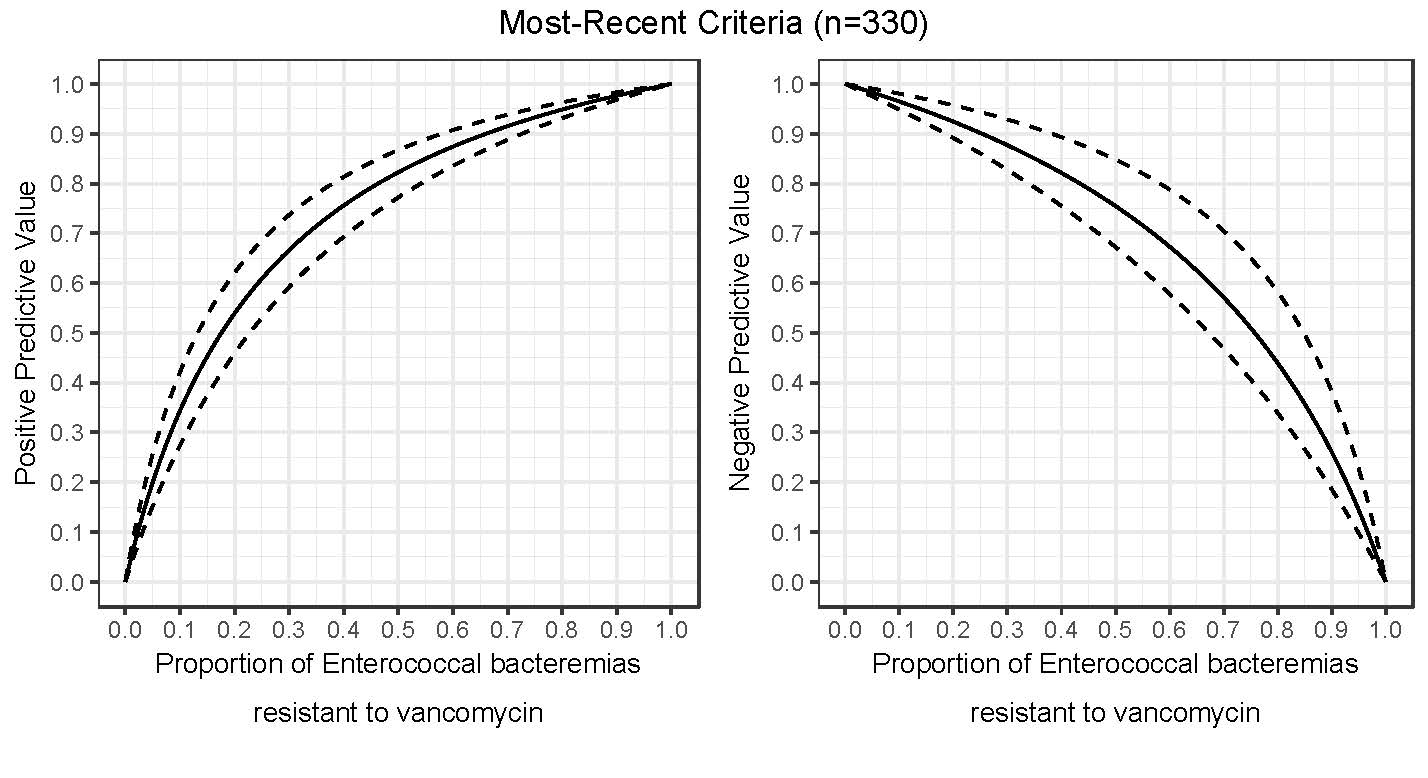


Figure S2 : Most-Recent criteria diagnostic properties

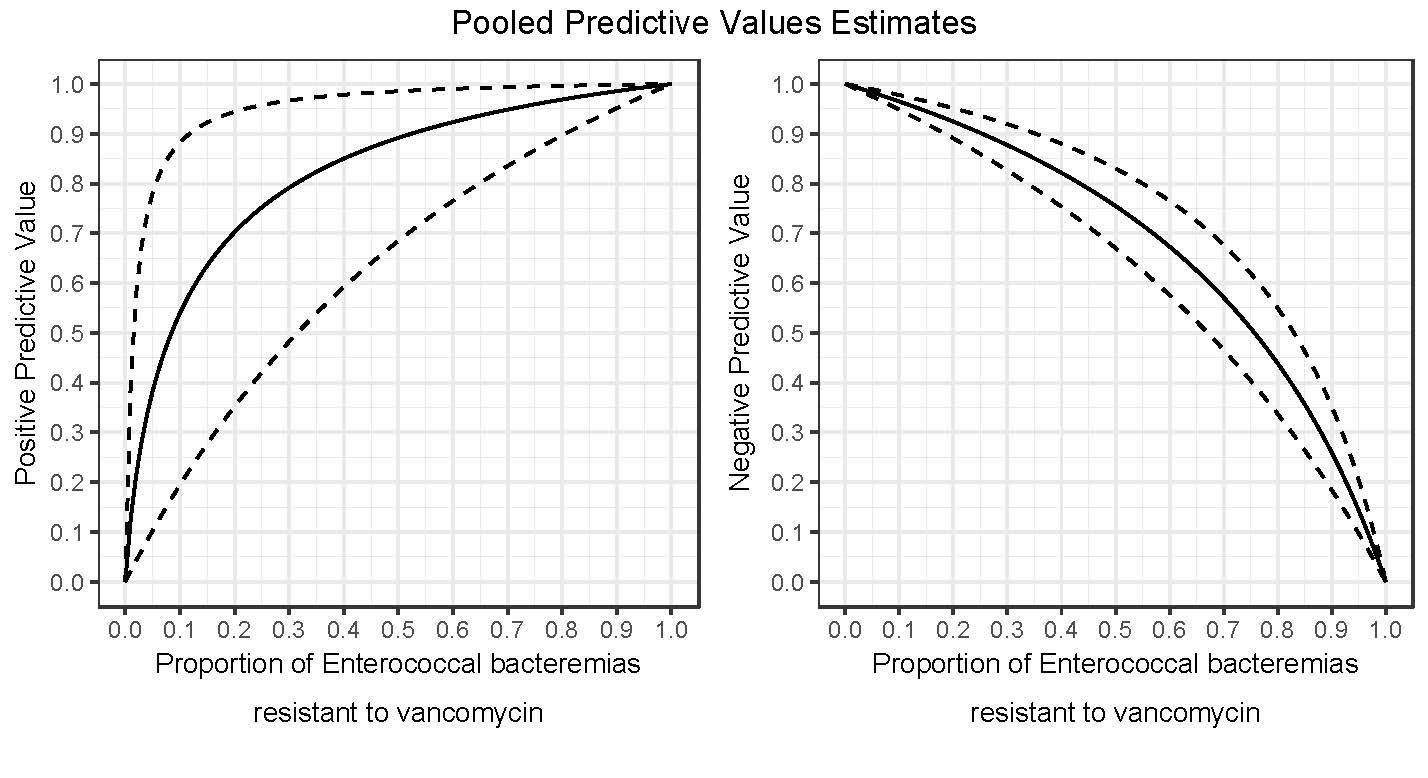


Figure S3 : Pooled criteria diagnostic properties.

References

1. **Brasg I, Elligsen M, MacFadden D, Daneman N.** 2017. Predictive utility of swab screening for vancomycin-resistant Enterococcus in selection of empiric antibiotics for Enterococcus sterile-site infections: a retrospective cohort study. CMAJ Open **5:**E632-e637.