

eTable : Estimates of Latent Class Models B and C fitted to a dataset of diagnostic test results of 276 Kenyan adults with pneumonia (95% confidence intervals in parenthesis).

Parameter	Model B		Model C	
	no antibiotics	antibiotics	no antibiotics	antibiotics
Percentage of <i>S. pneumoniae</i>				
Specificity (%)		39.3 ( 29.6, 49.0)		31.7 ( 24.7, 38.6)
NPS culture	48.4 ( 34.5, 62.3)	95.0 ( 86.7, 100)	74.7 ( 67.0, 82.4)	
lung-aspirate culture	100 ( —, —)	100 ( —, —)	100 ( —, —)	
blood culture	100 ( —, —)	100 ( —, —)	100 ( —, —)	
urine antigen		78.9 ( 70.7, 87.0)	74.9 ( 68.2, 81.5)	
Anti-PsaA rise	71.5 ( 59.3, 83.8)		64.6 ( 55.4, 73.9)	
Sensitivity (%)				
NPS culture	81.7 ( 69.4, 94.0)	61.4 ( 37.5, 85.4)	76.9 ( 66.4, 87.4)	
lung-aspirate culture	58.1 ( 42.3, 74.0)	34.8 ( 17.6, 52.0)	58.5 ( 45.5, 71.5)	
blood culture	79.4 ( 65.1, 93.6)	23.6 ( 9.8, 37.5)	61.8 ( 48.6, 74.9)	
urine antigen		50.6 ( 39.7, 61.4)	49.1 ( 37.7, 60.4)	
Anti-PsaA rise		82.7 ( 73.4, 92.1)	84.0 ( 75.0, 93.1)	

In Model B different sensitivities and specificities are allowed for culture tests in the two antimicrobial exposure groups. In Model C antimicrobial exposure is unaccounted for.