

Positive refers to being overdue with immunisations

For diagnostic accuracy calculations, figures are given as percentages (except for likelihood ratios), with 95% confidence intervals in parentheses

Main diagnostic accuracy analysis excluding all children in age categories immediately following immunisation deadlines (13-15 and 40-43 months)

		PCT data (reference standard)		
		Positive	Negative	Total
Immunisation history (index test)	Positive	19	8	27
	Negative	27	616	643
	Total	46	624	670

Sensitivity	41.3 (27.0-56.8)
Specificity	98.7 (97.5-99.4)
Positive predictive value	70.4 (49.8-86.2)
Negative predictive value	95.8 (93.9-97.2)
Positive likelihood ratio	30.5 (14.4-64.5)
Negative likelihood ratio	0.593 (0.466-0.755)

Diagnostic accuracy analysis including children in all age categories, but excluding the 17 children in the 13-15 and 40-43 month age groups who were borderline overdue for immunisation and therefore did not fulfil our overdue criteria

		PCT data (reference standard)		
		Positive	Negative	Total
Immunisation history (index test)	Positive	21	8	29
	Negative	29	721	750
	Total	50	729	779

Sensitivity	42.0 (28.2-56.8)
Specificity	98.9 (97.8-99.5)
Positive predictive value	72.4 (52.8-87.3)
Negative predictive value	96.1 (94.5-97.4)
Positive likelihood ratio	36.2 (17.2-76.0)
Negative likelihood ratio	0.585 (0.463-0.74)

Diagnostic accuracy analysis including children in all age categories, classifying the 17 children in the 13-15 and 40-43 month age groups who were borderline overdue for immunisation as false positives

		PCT data (reference standard)		
		Positive	Negative	Total
Immunisation history (index test)	Positive	21	25	46
	Negative	29	721	750
	Total	50	746	796
Sensitivity	42.0 (28.2-56.8)			
Specificity	96.6 (95.1-97.8)			
Positive predictive value	45.7 (30.9-61.0)			
Negative predictive value	96.1 (94.5-97.4)			
Positive likelihood ratio	12.3 (7.5-20.3)			
Negative likelihood ratio	0.599 (0.474-0.757)			