

Supplemental Table 1. Test characteristics of varying oxygen saturation levels among all children with oxygen saturation obtained and those without wheezing.

Oxygen saturation (SPO ₂)	Patients with Respective SPO ₂ , n	Patients with Radiographic Pneumonia at Respective SPO ₂ , n	Sensitivity	Specificity	Positive Likelihood Ratio (95% CI)	Negative Likelihood Ratio (95% CI)
All Children						
100%	470	32	-	-	-	-
< 100%	11,497	2,481	0.99	0.05	1.03 (1.03-1.04)	0.27 (0.19-0.39)
< 99%	11,049	2,413	0.96	0.09	1.05 (1.04-1.06)	0.46 (0.38-0.56)
< 98%	10,216	2,260	0.90	0.16	1.07 (1.05-1.09)	0.63 (0.56-0.72)
< 97%	9,339	2,092	0.83	0.23	1.09 (1.06-1.11)	0.72 (0.65-0.79)
< 96%	8,351	1,893	0.75	0.32	1.10 (1.07-1.13)	0.78 (0.72-0.84)
< 95%	7,386	1,687	0.67	0.40	1.11 (1.08-1.15)	0.83 (0.78-0.88)
< 94%	6,411	1,511	0.60	0.48	1.16 (1.12-1.20)	0.83 (0.79-0.87)
< 93%	5,537	1,331	0.60	0.48	1.19 (1.14-1.24)	0.85 (0.81-0.89)
< 92%	4,755	1,163	0.53	0.56	1.22 (1.16-1.28)	0.87 (0.83-0.90)
< 91%	4,104	1,017	0.46	0.62	1.24 (1.17-1.31)	0.88 (0.85-0.92)
< 90%	3,153	813	0.40	0.67	1.31 (1.22-1.40)	0.90 (0.87-0.93)
< 89%	2,576	668	0.32	0.75	1.32 (1.22-1.42)	0.92 (0.90-0.94)
< 88%	2,090	542	0.27	0.80	1.32 (1.21-1.44)	0.94 (0.92-0.96)
< 87%	1,813	478	0.22	0.84	1.35 (1.22-1.48)	0.94 (0.92-0.96)
< 86%	1,572	421	0.19	0.86	1.38 (1.24-1.52)	0.95 (0.93-0.97)
< 85%	1,361	373	0.17	0.88	1.42 (1.27-1.59)	0.95 (0.93-0.97)
Children Without Wheezing						
100%	383	31	-	-	-	-
< 100%	8,689	1,932	0.98	0.05	1.04 (1.03-1.04)	0.32 (0.22-0.46)
< 99%	8,322	1,870	0.95	0.09	1.05 (1.04-1.06)	0.51 (0.42-0.63)
< 98%	7,634	1,728	0.88	0.17	1.06 (1.04-1.08)	0.71 (0.62-0.81)
< 97%	6,952	1,587	0.81	0.25	1.07 (1.04-1.10)	0.78 (0.71-0.86)
< 96%	6,157	1,410	0.72	0.33	1.08 (1.04-1.11)	0.85 (0.78-0.92)
< 95%	5,402	1,242	0.72	0.33	1.08 (1.04-1.12)	0.89 (0.83-0.94)
< 94%	4,686	1,108	0.63	0.41	1.12 (1.07-1.17)	0.88 (0.83-0.93)
< 93%	4,045	975	0.56	0.50	1.15 (1.09-1.21)	0.89 (0.84-0.93)

< 92%	3,467	853	0.50	0.57	1.18 (1.11-1.25)	0.89 (0.86-0.93)
< 91%	2,995	741	0.43	0.63	1.19 (1.12-1.27)	0.91 (0.88-0.95)
< 90%	2,262	590	0.38	0.68	1.28 (1.18-1.38)	0.92 (0.89-0.95)
< 89%	1,840	484	0.30	0.76	1.29 (1.18-1.42)	0.93 (0.91-0.96)
< 88%	1,491	383	0.25	0.81	1.25 (1.13-1.39)	0.95 (0.93-0.98)
< 87%	1,292	338	0.20	0.84	1.28 (1.15-1.44)	0.96 (0.94-0.98)
< 86%	1,121	296	0.17	0.87	1.30 (1.15-1.47)	0.96 (0.94-0.98)
< 85%	965	262	0.15	0.88	1.35 (1.18-1.54)	0.96 (0.94-0.98)