

**Table 4.** Pathogens detected in paired induced sputum and nasopharyngeal specimen samples.

Pathogens	Pathogen found in:			Simple kappa coefficient	CI 95%
	Induced sputum only	Nasopharyngeal specimen only	Induced sputum and nasopharyngeal specimen		
<b>Bacteria<sup>a</sup></b>					
<i>Streptococcus pneumoniae</i>	5	12	6	0.32	0.07-0.56
<i>Haemophilus influenzae</i>	5	12	10	0.44	0.22-0.66
<i>Moraxella catarrhalis</i>	5	8	3	NI	NI
<i>Staphylococcus aureus</i>	0	3	0	NI	NI
<i>Escherichia coli</i>	1	0	0	NI	NI
<i>Proteus mirabilis</i>	1	0	0	NI	NI
<i>Klebsiella oxytoca</i>	0	1	0	NI	NI
<i>Pseudomonas aeruginosa</i>	0	1	0	NI	NI
<i>Bordetella</i> spp.	0	2	0	NI	NI
<i>Mycoplasma pneumoniae</i>	1	0	0	NI	NI
<i>Chlamydomphila pneumoniae</i>	0	0	1	NI	NI
Total	18	39	20	0.39	0.26-0.51
<b>Bacteria<sup>b</sup></b>					
<i>Streptococcus pneumoniae</i>	0	3	2	0.52	0.07-0.97
<i>Haemophilus influenzae</i>	3	0	3	0.60	0.22-0.99
<i>Moraxella catarrhalis</i>	4	1	1	NI	NI
Total	7	4	6	0.43	0.15-0.71
<b>Viruses<sup>a</sup></b>					
Respiratory syncytial virus	1	3	38	0.91	0.83-0.99
Rhinovirus	2	1	32	0.93	0.85-1
Human metapneumovirus	0	1	1	0.66	0.04-1
Human bocavirus	1	0	3	0.85	0.57-1
Enterovirus	1	1	2	0.66	0.21-1
Influenza viruses	0	0	3	NI	NI
Coronaviruses	0	2	1	NI	NI
Adenovirus	1	3	3	0.58	0.21-0.95
Parainfluenza virus type 1	0	0	1	NI	NI
Parainfluenza virus type 3	1	0	2	0.79	0.40-1
Parainfluenza virus type 4	0	0	3	NI	NI
Total	7	11	89	0.90	0.85-0.94

**NOTE.** NI, not informative; CI 95%, 95% confidence interval.

<sup>a</sup> Results are given for all paired induced sputum and nasopharyngeal specimens ( $n = 97$ ), regardless of the quality of induced sputum.

<sup>b</sup> Results are given for good-quality induced sputum matched with nasopharyngeal specimens ( $n = 25$ ).