

Supplementary Table 1. Derivation and validation cohort univariable associations with complications.

Variables	Derivation cohort			Validation cohort		
	UOR	95% CI	P-value	UOR	95% CI	P-value
Sociodemographic						
Age in months	0.97	0.94 to 1.00	0.06	0.96	0.92 to 0.99	0.03
Age groups, months						
<12	1		0.10	1		0.13
12–35	0.89	0.35 to 2.24		0.96	0.33 to 2.85	
36–59	0.24	0.04 to 1.15		0.12	0.01 to 1.02	
Sex						
Female	1		0.57	1		0.06
Male	1.28	0.54 to 3.12		0.38	0.14 to 1.08	
Ethnicity						
White	1		0.57	1		0.39
Non-white	0.70	0.19 to 2.49		1.59	0.55 to 4.59	
Townsend deprivation score (continuous)	0.98	0.88 to 1.09		0.85	0.72 to 1.00	
Attends day care/nursery/school						
No	1		0.82	1		0.09
Yes	0.90	0.37 to 2.16		0.42	0.15 to 1.14	
Breastfed for more than a month						
No	1		0.81	1		0.47
Yes	0.89	0.37 to 2.13		0.70	0.26 to 1.87	
Lives with a resident smoker						
No	1		0.67	1		0.09
Yes	1.20	0.50 to 2.86		0.33	0.09 to 1.18	
Shares a bedroom with at least one other child						
No	1		0.29	1		0.80
Yes	1.68	0.65 to 4.37		0.86	0.26 to 2.79	
Lives with at least two other children						
No	1		0.36	1		0.62
Yes	1.57	0.60 to 4.08		1.35	0.41 to 4.49	
Clinical history						
GP consultations in the previous year <sup>a</sup>						
0–1	1		0.74	1		0.08
2–4	0.69	0.23 to 2.09		0.45	0.09 to 2.14	
>4	1.01	0.34 to 2.98		2.01	0.58 to 7.00	
Cough main reason for consultation						
No	1		0.36	1		0.35
Yes	1.56	0.58 to 4.15		1.76	0.54 to 5.69	
Cough duration prior to recruitment						
Continuous	1.00	0.94 to 1.07	0.93	1.06	0.98 to 1.15	0.15
First clinician contact for cough						
No	1		0.83	1		0.60
Yes	0.90	0.35 to 2.31		0.73	0.22 to 2.40	
Personal history of atopy						
No	1		0.32	1		0.20
Yes	0.58	0.18 to 1.79		0.42	0.12 to 1.55	
Family history of atopy						
No	1		0.77	1		0.71
Yes	1.14	0.46 to 2.83		0.83	0.31 to 2.23	

Continued ...<sup>a</sup>Excluding prior consultations for this episode of cough. UOR = univariable odds ratio.

Supplementary Table 1 continued.

Variables	Derivation cohort			Validation cohort		
	UOR	95% CI	P-value	UOR	95% CI	P-value
Clinical examination						
Illness severity						
Mild	1		0.57	1		0.92
Moderate or severe	1.34	0.49 to 3.64		0.94	0.29 to 3.06	
Abnormal chest signs						
No	1		0.046	1		0.73
Yes	2.72	1.06 to 6.96		0.81	0.25 to 2.65	
Fever						
No	1		0.005	1		0.35
Yes	4.86	1.74 to 13.56		0.37	0.05 to 2.97	
Tachypnoea						
No	1		0.033	1		2.98
Yes	3.80	1.22 to 11.84		0.48	0.03 to 8.83	
Clinical assessment						
Classification of cough						
URTI <sup>a</sup>	1		0.21	1		0.80
Other	1.83	0.72 to 4.59		0.87	0.30 to 2.48	
Treatment						
Prescribed antibiotic						
No	1		0.53	1		0.09
Yes	1.42	0.49 to 4.11		0.17	0.02 to 1.30	
Prescribed bronchodilator						
No	1		0.15	1		0.21
Yes	2.31	0.77 to 6.88		2.46	0.61 to 9.95	

<sup>a</sup>Upper respiratory tract infection. UOR = univariable odds ratio.

Hay AD, Gorst C, Montgomery A, *et al.* A prospective study to validate a clinical rule to predict complications of acute cough in pre-school children presenting in primary care. *Br J Gen Pract* 2007; **57**: ©British Journal of General Practice