Supplementary Material

Factors associated with children's seasonal influenza diagnosis by their guardians: a prospective observational study in Japan

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Supplementary material S1.

インフルエンザ疑い患者に対するチェック項目

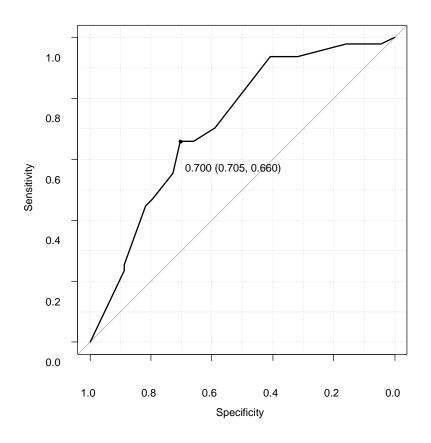
(患者が 12 歳未満の場合には付き添いの方が記入してください)

1.	今までにインフルエンザに	罹ったことはあります	か?		□はい	□ いいえ
2.	身の回りにインフルエンザ				ロはい	□ いいえ
		上でもか。 学校/保育所 口 家	族	□ その	他()
3.	今年度、インフルエンザの	予防接種を受けている	ますか?			
					□はい	□ いいえ
4.	受診前に、体温を測りまし	たか?			□はい	□ いいえ
	「はい」の方へ。何度で	でしたか。				<u>°C</u>
	「はい」の方へ。突然を	または急に熱が上がり	ましたか。		□はい	□ いいえ
5.	受診前に、薬を飲みました	:か?			□ はい	□ いいえ
	「はい」の方へ。なんと	いうお薬を飲みました	か。()	
6.	以下の症状のうち、当ては	まるもの全て答えてく	ださい。			
	□ 頭痛	□ 鼻汁		□ 咳嗽	欠	
	□ 体の痛み	□ 体のだるさ		□ その	他()
	いつそれらの症状が妨	台まりましたか?				
			月	日	時	分頃_
7.	今回の症状は、いつもカセ	ぎ(普通のカゼ)よりもつ	つらいです;	か?		
	ロっらい	□ 同じくらい		口 つら	くない	
8.	インフルエンザの可能性は	はどれくらいだと感じて	いますか?	?		
						% (0 - 100%)
	保護者の属性 □	父 口 母 口 祖父	℃ 祖母	1 口 友.	人 口 その	D他
	患者氏名		年齢	歳	性別	男 / 女

Supplementary material S2. Pre-examination checklist

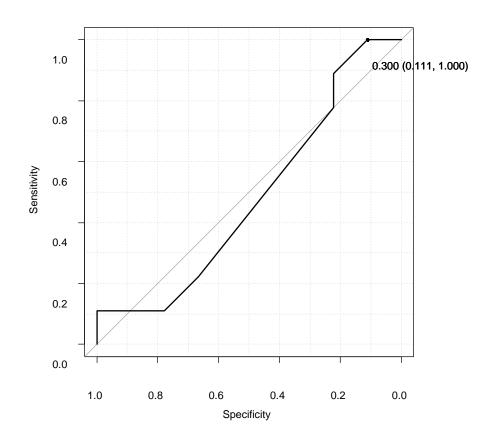
1.	Has your child ever had in	fluenza?			□ Yes	□ No	
2.	Are you aware of your chi	ld having conta	ct with anyor	ne with influ	enza?		
					□ Yes	□ No	
	If "Yes", please answer	where the places	are.				
	□ Office □ Sch	ool / nursery	□ Home	□ Oth	er ()
3.	Has your child had an infl	uenza vaccinati	on this seasor	n?			
					□ Yes	□ No	
4.	Did your child take his/he	r body tempera	ture before t	his visit?	□ Yes	□ No	
	If "Yes", please indicate	your temperatui	e reading.				<u>°C</u>
	If "Yes", did your tempe	rature rise acute	ly or suddenly	?	□ Yes	□ No	
5.	Did your child take any m	edication for hi	s/her sympto	ms before th	is visit?		
					□ Yes	□ No	
	If "Yes", please provide	the name of the	medication.	()
6.	Please indicate below who	ther your child	has the follow	wing sympto	ms:		
	□ Headache	□ Ru	nny nose	□ Cou	gh		
	□ Muscle and joint pair	□ Fat	igue	□ Oth	er ()
	When did the first symp						
		Date (d	<u>dd)</u>	<u>(mm)</u> <u>Time</u>	:	a.m. / p.	<u>.m.</u>
7.	How severe are symptoms	(compared to	a common co	old)?			
	□ Severe	□ Similar		Mild			
8.	How certain are you of th	e possibility tha	t your child n	nay have infl	uenza?		
					%	(0 – 100	<u>%)</u>
Cla	ssification of guardians						
	□ Father	□ Mother		Grandfather			
	□ Grandmother	□ Friend		Other			
	ΡΔΤΙΕΝΤ ΝΔΜΕ			ΔGF	SFX	M/F	

Supplementary material S3a. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (mother)



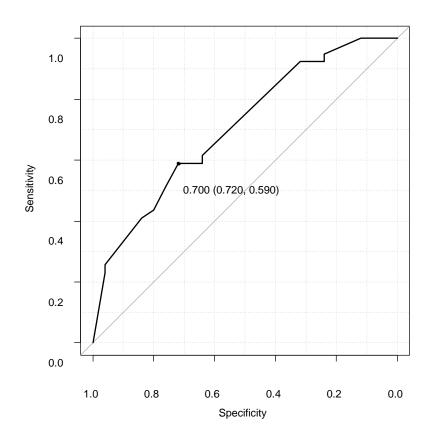
Cut-off point, %	Sensitivity, %	Specificity, %
10	97.9	6.8
20	97.9	9.1
30	97.9	15.9
40	93.6	31.8
50	93.6	40.9
60	70.2	59.1
70	66.0	70.5
80	55.3	72.7
90	44.7	81.8

Supplementary material S3b. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (father)



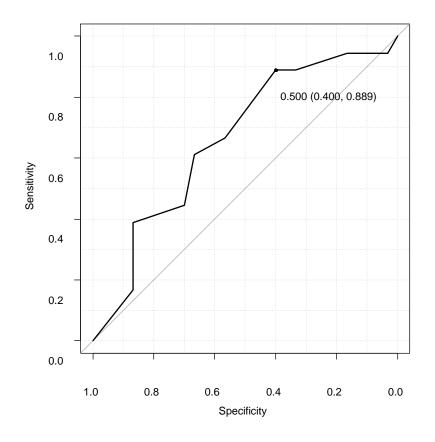
Cut-off point, %	Sensitivity, %	Specificity, %
10	100.0	0.0
30	100.0	11.1
35	88.9	22.2
50	77.8	22.2
70	22.2	66.7
80	11.1	77.8

Supplementary material S3c. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (children with a history of influenza)



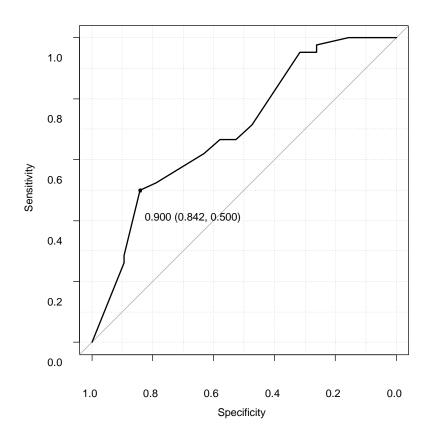
Cut-off point, %	Sensitivity, %	Specificity, %
10	100.0	4.0
30	100.0	12.0
35	94.9	24.0
40	92.3	24.0
50	92.3	32.0
60	61.5	64.0
70	59.0	72.0
80	51.3	76.0
90	41.0	84.0

Supplementary material S3d. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (children without a history of influenza)



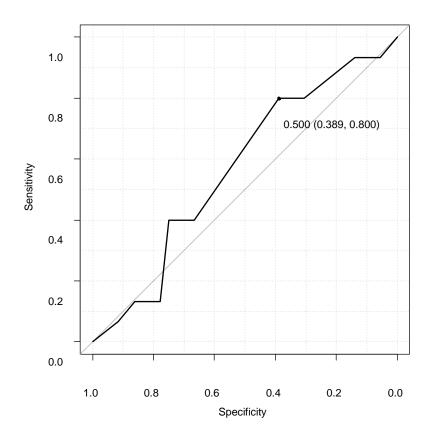
Cut-off point, %	Sensitivity, %	Specificity, %
2	94.4	3.3
20	94.4	6.7
30	94.4	16.7
40	88.9	33.3
50	88.9	40.0
60	66.7	56.7
70	61.1	66.7
80	44.4	70.0
90	38.9	86.7

Supplementary material S3e. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (guardians who were aware of the epidemic)



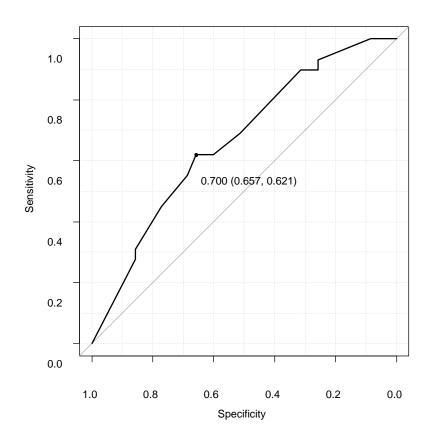
Cut-off point, %	Sensitivity, %	Specificity, %
10	100.0	0.0
20	100.0	5.3
30	100.0	15.8
40	95.2	26.3
50	95.2	31.6
60	71.4	47.4
70	66.7	57.9
80	61.9	63.2
90	50.0	84.2

Supplementary material S3f. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (guardians who were unaware of the epidemic)



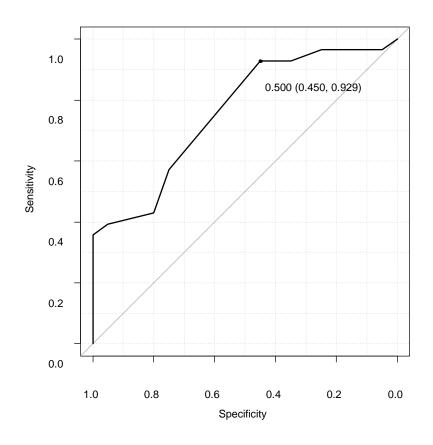
Cut-off point, %	Sensitivity, %	Specificity, %
10	93.3	8.3
20	93.3	11.1
30	93.3	13.9
40	80.0	30.6
50	80.0	38.9
60	40.0	66.7
70	40.0	75.0
80	13.3	77.8
90	13.3	86.1

Supplementary material S3g. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (vaccinated children)



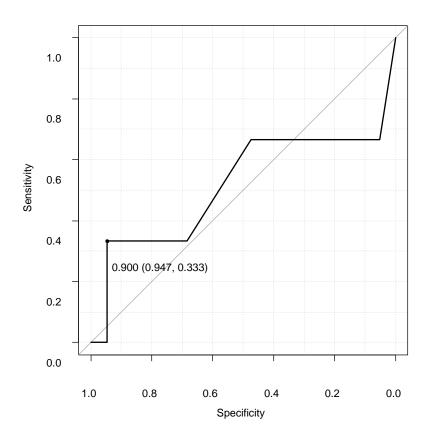
Cut-off point, %	Sensitivity, %	Specificity, %
10	100.0	2.9
20	100.0	5.7
30	100.0	8.6
40	89.7	25.7
50	89.7	31.4
60	69.0	51.4
70	62.1	65.7
80	55.2	68.6
90	44.8	77.1

Supplementary material S3h. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (unvaccinated children)



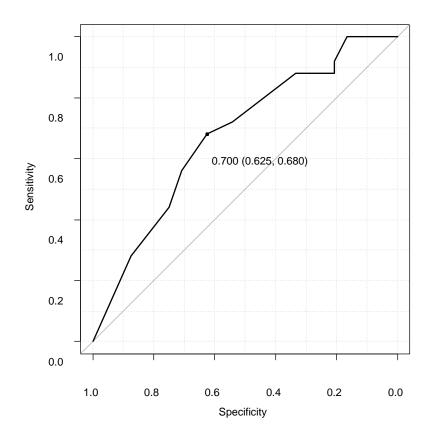
Cut-off point, %	Sensitivity, %	Specificity, %
10	96.4	10.0
20	96.4	15.0
30	96.4	25.0
40	92.9	35.0
50	92.9	45.0
70	57.1	75.0
80	42.9	80.0
85	39.3	95.0
90	35.7	100.0

Supplementary material S3i. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (children 0 to 3 years)



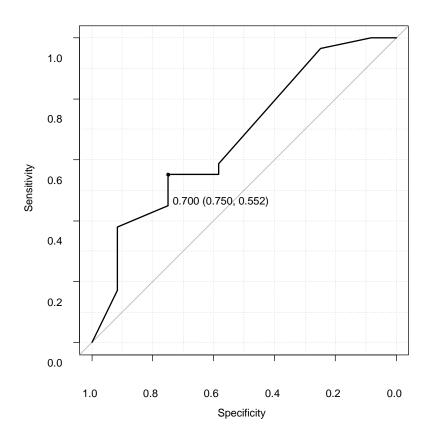
Cut-off point, %	Sensitivity, %	Specificity, %
20	66.7	5.3
30	66.7	15.8
40	66.7	42.1
50	66.7	47.4
60	33.3	68.4
80	33.3	73.7
90	33.3	94.7

Supplementary material S3j. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (children 4 to 7 years)



Cut-off point, %	Sensitivity, %	Specificity, %
10	100.0	8.3
20	100.0	12.5
30	100.0	16.7
40	88.0	20.8
50	88.0	33.3
60	72.0	54.2
70	68.0	62.5
80	56.0	70.8
90	44.0	75.0

Supplementary material S3k. Subgroup analysis of receiver-operating characteristic curve for the guardians' influenza diagnosis (children 8 to 11 years)



Cut-off point, %	Sensitivity, %	Specificity, %
10	100.0	0.0
30	100.0	8.3
50	96.6	25.0
60	58.6	58.3
65	55.2	58.3
70	55.2	75.0
80	44.8	75.0
85	41.4	83.3
90	37.9	91.7