



Supplementary Materials: Acceptability of a Sublingual Drug Formulation for Respiratory Tract Infections in Children Aged 3 to 5 Years

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Table S1. Patient and medicine characteristics of the 424 evaluations in children from 3 to 5 years of age within the dataset that gave rise to the acceptability reference framework.

Patients and medicines characteristics	n(%)			
Sex of patients				
Girl	176 (42)			
Boy	246 (58)			
missing data	2			
Age of patient (years)				
3	186 (43)			
4	121 (29)			
5	117 (28)			
Treatment exposure				
Previous exposure	213 (50)			
First exposure	211 (50)			
Type of care				
Home	87 (21)			
Hospital	337 (79)			
Country				
Morocco	168 (40)			
France	100 (24)			
India	78 (18)			
Japan	34 (8)			
Norway	27 (6)			
Germany	11 (3)			
England	6 (1)			
Pharmaceutical products				
Doliprane 2.4perc. Oral suspension sugar free	29 (7)			
Cefaclor 10perc. Fine granules	21 (5)			
Depakine 57.64mg-1ml. Syrup	18 (4)			
Oroken children 100mg-5ml. Powder for oral suspension	17 (4)			
Orapred 20mg. Effervescent tablet	13 (3)			
Celestene 0.05perc. Drops for oral solution	13 (3)			
Aerius 0.5mg-1ml. Oral solution	13 (3)			
Fucidine 250mg-5ml. Oral suspension	11 (3)			
Cotipred 20mg. Effervescent tablet	11 (3)			
Sintrom 4mg. Tablet	10 (2)			
Josacine 125mg-5ml. Granules for oral suspension	9 (2)			
Doliprane 300mg. Powder for oral solution	9 (2)			
Crocin ds 240mg. Syrup	9 (2)			
Other (<2%)	241 (57)			

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5th level (chemical substance) of the Anatomical Therapeutic Chemical (ATC)				
classification system				
Paracetamol	63 (15)			
Prednisolone	35 (8)			
Valproic acid	26 (6)			
Cefaclor	21 (5)			
Co-amoxiclav	19 (5)			
Cefixime	17 (4)			
Desloratadine	15 (4)			
Josamycin	13 (3)			
Fusidic acid	13 (3)			
Betamethasone	13 (3)			
Acenocoumarol	10 (2)			
Amoxicillin	10 (2)			
Phenobarbital	9 (2)			
Other (<2%)	158 (38)			
missing data	2			
2 nd level (therapeutic subgroup) of the ATC classification system				
Antibacterials	122 (29)			
Analgesics				
e e e e e e e e e e e e e e e e e e e	65 (15) 55 (12)			
Antiepileptics Corticosteroids	55 (13) 51 (12)			
	51 (12)			
Antihistamines	21 (5)			
Antivirals	12 (3)			
Psycholeptics	11 (3)			
Antithrombotic agents	11 (3)			
Constipation	10 (2)			
Cough and cold preparations	8 (2)			
Other (<2%)	58 (13)			
Dosage forms	FF (4.0)			
Syrup	77 (18)			
Oral suspension	57 (13)			
Powder for oral suspension	45 (11)			
Tablet	38 (9)			
Oral solution	34 (8)			
Effervescent tablet	28 (7)			
Fine granules	24 (6)			
Powder for oral solution	23 (5)			
Granules for oral suspension	17 (4)			
Drops for oral solution	17 (4)			
Coated tablet	16 (4)			
Divisible tablet	12 (3)			
Orally disintegrating tablet	8 (2)			
Other (<2%)	28 (6)			
Dosage form categories				
Oral liquid preparations	339 (80)			
Solid oral dosage form	74 (17)			
Buccal preparations	11 (3)			

 Table S2. Recoding based on coding instructions and information in text fields.

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Recoding	Patient (Evaluation Per Day)
Recount	i aticit (Lvaidation i ci Day)

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As the reported intake was 'fully taken' although the reported administration time was < 60 sec, the result of intake has been re-coded from 'fully taken' to 'partly taken'	4 patients (2 at D1, 2 at D2, 4 at D10) 10 patients (6 at D1, 4 at D2, 5 at D10)			
As 'use another route/mode of administration' was not ticked although the reported administration time was < 30 sec and the reported intake was different from 'not taken', 'use another route/mode of administration' has been ticked				
As 'use another route/mode of administration' was ticked, the result of in-	1 patient			
take has been re-coded from 'fully taken' to 'partly taken'	(1 at D1, 1 at D2, 1 at D10)			
Based on text-field of 'divided dose' (hereafter), 'modification of dosage				
form' has been ticked				
"split in two"	1 patient (1 at D10)			
"in two pieces"	1 patient (1 at D1)			
Based on text-field of 'divided dose' (hereafter), 'divided dose' has been unticked and 'use another route/mode of administration' ticked				
"30 seconds, the tablet was under the tongue, then crushed in the mouth and swallowed"	1 patient (1 at D1)			
Based on text-field of 'mix food/drink' (hereafter), 'modification of dosage				
form' has been ticked				
"100 ml of hot chocolate"	1 patient (1 at D1, 1 at D2, 1 at D10)			
Based on text-field of 'mix food/drink' (hereafter), 'use device not provid-				
ed' has been ticked				
"a teaspoon of water"	1 patient (1 at D1, 1 at D2, 1 at D10)			
Based on text-field of unspecified method (hereafter), 'take food/drink' has been ticked				
"drank water afterwards"	1 patient (1 at D1)			
"drank water after dispersion"	1 patient (1 at D2, 1 at D10)			
"a mouthful of water, 1.5 minutes after intake"	1 patient (1 at D2)			
"after orodispersion of the tablet, the child wanted to drink water"	1 patient (1 at D1)			
"needed to drink water due to poor taste"	1 patient (1 at D1)			
"drank water after dispersion and swallowing of tablet"	1 patient (1 at D2)			
"drank water after having swallowed"	1 patient (1 at D10)			

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 Table S3. Completed indicator matrix for variables with missing values.

Patient	Day	Result Intake		Patient Reaction		Preparation and Administration Time				
		ent Day	Fully taken	Partly ta- ken	Not ta- ken	Positive	Neutral	Nega- tive	Short	Medium
A	2	1	0	0	0	1	0	-0.087	0.654	0.433
В	10	1	0	0	0.378	0.486	0.135	0	1	0
С	10	0.4	0.599	0.001	1	0	0	1	0	0
D	2	1	0	0	0	1	0	-0.087	0.654	0.433
	10	0	1	0	1	0	0	0.268	0.468	0.264
E	1	0	0	1	0	0	1	0.526	0.705	-0.23
F	10	0.844	0.111	0.045	0	1	0	0	0	1
G	10	0	1	0	0.356	0.425	0.219	0.438	0.229	0.333
Н	2	1	0	0	1	0	0	0.044	0.49	0.466
	10	1	0	0	0.616	0.234	0.15	0	0	1
I	2	1	0	0	0.432	0.352	0.216	0	0	1
J	1	0	1	0	0	0	1	0.602	0.21	0.189

bold value: the most plausible category.

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