

SUPPLEMENTARY MATERIAL

Table S1. Reasons for hotline nurse calling the on-call allergist.

Reasons for hotline nurse calling the on-call allergist	Number of calls (n=20)
Allergic reactions to OIT dose	9 (45%)
Allergic reactions unrelated to OIT	7 (35%)
Question how to restart dosing after stopping	4 (20%)
Need for prescription	3 (15%)
Need of information on dose modification during an infection	2 (10%)
Questions on eviction diet while on OIT	2 (10%)
Inability to give full OIT dose to the child	1 (5%)

Table S2. Characteristics associated with patients using the voicemail system or the 24h hotline. OR: odds ratio, SD: standard deviation, IgE: Immunoglobulin E, CoFAR: Consortium for Food Allergy Research reaction grade, Grade 1: Mild, Grade 2: Moderate, Grade 3: Severe, Grade 4: Life-threatening, Grade 5: Death, *Multivariate analyses used log regression.

	Whole cohort (n=884)			Group who used support (n=393)		
Monovariate analysis	Never used support (n=491)	Used support (n=393)	p-value	Never used 24h hotline (n=350)	Used 24h hotline (n=43)	p-value
Age, y (mean ± SD)	7.1 ± 4.9	6.3 ± 4.3	0.01	6.2± 4.3	7.2± 4.5	0.14
Male sex	316 (64%)	247 (63%)	0.35	220 (63%)	28 (65%)	0.77
Comorbidities						
Asthma	159 (32%)	164 (42%)	0.003	138 (39%)	25 (58%)	0.02
Atopic dermatitis	259 (53%)	240 (61%)	0.008	213 (61%)	27 (63%)	0.81
Rhinitis	139 (28%)	154 (39%)	<0.001	131 (37%)	23 (53%)	0.04
Food allergens						
Peanut	323 (66%)	274 (69%)	0.12	242 (69%)	32 (74%)	0.48
Milk	97 (20%)	114 (29%)	<0.001	99(28%)	16 (37%)	0.23
Egg	140 (29%)	156 (40%)	<0.001	136 (39%)	21 (49%)	0.21
Sesame	104 (21%)	94 (24%)	0.19	84 (24%)	9 (21%)	0.66
Number of allergens	2.5 ± 2.0	3.1 ± 2.2	<0.001	3.0± 2.1	3.9± 2.8	0.02
Total IgE, kU/L (geometric mean)	261 ± 2.2log ₂	300 ± 2.1 log ₂	0.20	288 ± 2.1 log ₂	415 ± 1.8log ₂	0.14
Specific IgE, kU/L (geometric mean)	8.69 ± 2.8log ₂	14 ± 2.9 log ₂	0.002	13 ± 2.9 log ₂	42 ± 2.6 log ₂	<0.001
Worst reaction during OIT						
CoFAR 1 and above	195 (40%)	245 (62%)	<0.001	212 (61%)	34 (79%)	0.02
CoFAR 2 and above	49 (10%)	93 (24%)	<0.001	78 (22%)	15 (35%)	0.07
CoFAR 3 and above	25 (5%)	50 (13%)	<0.001	44 (13%)	6 (14%)	0.80
OIT failure	21 (4%)	32 (8%)	0.01	26 (7%)	5 (12%)	0.34
Multivariate analysis*	OR for using support (95% CI)		p-value	OR for using 24h hotline (95% CI)		p-value
CoFAR 1 and above	2.2 (1.6-3.0)		<0.001	-		-
CoFAR 2 and above	2.1 (1.4-3.3)		<0.001	-		-
Age, y (mean ± SD)	0.92 (0.88-0.95)		<0.001	-		-
Rhinitis	1.9 (1.4-2.6)		<0.001	-		-
Specific IgE [log₂ (kU/L)]	-		-	1.25 (1.07-1.46)		0.005