

SUPPLEMENTARY MATERIAL

eTable 1. Visual analogue scales (VASs) used for daily monitoring of symptoms in MASK-air®

Scale	Question
VAS Global allergy symptoms	“Overall how much are your allergic symptoms bothering you today?”
VAS Nose	“How much are your nose symptoms bothering you today?”
VAS Eyes	“How much are your eye symptoms bothering you today?”
VAS Asthma	“How much are your asthma symptoms bothering you today?”

eTable 2. Distribution of assessed participants by country. Results are presented as N (%) users

	Moderate-severe persistent rhinitis	Moderate-severe intermittent rhinitis	Mild persistent rhinitis	Mild intermittent rhinitis
Argentina	12 (1.2)	12 (1.2)	0	3 (2.2)
Australia	11 (1.1)	5 (0.5)	1 (0.8)	2 (1.4)
Austria	23 (2.3)	18 (1.8)	0	1 (0.7)
Belgium	9 (0.9)	6 (0.6)	0	0
Brazil	32 (3.2)	51 (5.2)	4 (3.1)	7 (5.0)
Canada	1 (0.1)	1 (0.1)	0	0
Czech Republic	17 (1.7)	13 (1.3)	8 (6.1)	5 (3.6)
Denmark	7 (0.7)	1 (0.1)	0	1 (0.7)
Finland	33 (3.3)	14 (1.4)	2 (1.5)	3 (2.2)
France	112 (11.1)	71 (7.2)	10 (7.6)	14 (10.1)
Germany	107 (10.6)	54 (5.5)	16 (12.2)	9 (6.5)
Great Britain	34 (3.4)	12 (1.2)	2 (1.5)	2 (1.4)
Greece	22 (2.2)	37 (3.7)	6 (4.6)	7 (5.0)
Hungary	11 (1.1)	2 (0.2)	3 (2.3)	0
Italy	67 (6.6)	179 (18.1)	6 (4.6)	22 (15.8)
Japan	11 (1.1)	10 (1.0)	11 (8.4)	5 (3.6)
Lebanon	1 (0.1)	2 (0.2)	1 (0.8)	0
Lithuania	96 (9.5)	83 (8.4)	8 (6.1)	1 (0.7)
Mexico	91 (9.0)	166 (16.8)	12 (9.2)	18 (12.9)
Netherlands	53 (5.2)	21 (2.1)	4 (3.1)	3 (2.2)
Poland	75 (7.4)	23 (2.3)	18 (13.7)	10 (7.2)
Portugal	61 (6.0)	111 (11.2)	7 (5.3)	11 (7.9)
Slovenia	8 (0.8)	4 (0.4)	0	2 (1.4)
Spain	57 (5.6)	55 (5.6)	6 (4.6)	7 (5.0)
Sweden	22 (2.2)	2 (0.2)	0	1 (0.7)
Switzerland	17 (1.7)	18 (1.8)	1 (0.8)	0
Turkey	23 (2.3)	19 (1.9)	5 (3.8)	5 (3.6)

eTable 3. Frequency of self-reported allergy to pollen, house dust mite and cat or dog according to the asthma classification and per ARIA class

	Moderate-severe persistent rhinitis	Moderate-severe intermittent rhinitis	Mild persistent rhinitis	Mild intermittent rhinitis	Maximal effect size
Pollen – <i>N</i> [%]	458 (70.2)	326 (57.3)	67 (58.8)	54 (47.4)	0.47
No evidence of asthma	123 (73.7)	111 (55.5)	28 (58.3)	19 (54.3)	0.41
Possible asthma	99 (70.2)	89 (57.8)	8 (50.0)	20 (47.6)	0.46
Probable asthma	236 (68.6)	126 (58.6)	31 (62.0)	15 (40.5)	0.57
House dust mite – <i>N</i> [%]	253 (38.8)	243 (42.7)	42 (36.8)	40 (35.1)	0.16
No evidence of asthma	56 (33.5)	74 (37.0)	16 (33.3)	13 (37.1)	0.08
Possible asthma	52 (36.9)	66 (42.9)	5 (31.3)	14 (33.3)	0.24
Probable asthma	145 (42.2)	103 (47.9)	21 (42.0)	13 (35.1)	0.26
Cat or dog – <i>N</i> [%]	217 (33.3)	162 (28.5)	27 (23.7)	30 (26.3)	0.21
No evidence of asthma	35 (21.0)	34 (17.0)	8 (16.7)	7 (20.0)	0.11
Possible asthma	43 (30.5)	51 (33.1)	1 (6.3)	11 (26.2)	0.72
Probable asthma	139 (40.4)	77 (35.8)	18 (36.0)	12 (32.4)	0.17

ARIA=Allergic Rhinitis and its Impact on Asthma

Effect size: orange=small meaningful effect; yellow=medium meaningful effect; green=large meaningful effect