

# Atopic Dermatitis Phenotypes in Preschool and School-Age Children: A Latent Class Analysis

## MATERIAL SUPPLEMENTARY

**Table S1.** Clinical manifestations and comorbidities of dermatitis by detected class in preschool-age children.

	<b>Class 1</b> n=16 (8%)	<b>Class 2</b> n=73 (35%)	<b>Class 3</b> n=42 (20%)	<b>Class 4</b> n=65 (32%)	<b>Class 5</b> n=10 (5%)
<b>Atopy</b>	10 (62%)	29 (42%)	17 (46%)	42 (68%)	9 (90%)
<b>Food allergy</b>	6 (38%)	14 (20%)	9 (24%)	14 (23%)	6 (60%)
<b>Moderate/severe AD</b>	16 (100%)	50 (69%)	5 (12%)	3 (5%)	0 (0%)
<b>Severe AD</b>	11 (69%)	11 (15%)	1 (2%)	0 (0%)	0 (0)
<b>&gt;3 exacerbations in the last 6 mo.</b>	16 (100%)	46 (63%)	0 (0%)	6 (9%)	10 (100%)
<b>Itch without lesions</b>	12 (75%)	49 (67%)	7 (17%)	34 (52%)	6 (60%)
<b>Night awakenings</b>	16 (100%)	58 (79%)	7 (17%)	18 (28%)	4 (40%)
<b>Lower respiratory comorbidities*</b>	15 (94%)	7 (10%)	0 (0%)	37 (57%)	1 (10%)
<b>Uncontrolled wheezing</b>	1 (6%)	1 (1%)	0 (0%)	5 (8%)	0 (0%)
<b>Upper respiratory comorbidities**</b>	16 (100%)	30 (41%)	0 (0%)	61 (94%)	8 (80%)
<b>Food induced comorbidities***</b>	7 (44%)	2 (3%)	8 (20%)	8 (13%)	10 (100%)

Class 1: “moderate-severe, comorbid AD”; Class 2: “moderate-severe, low comorbid AD”; Class 3: “mild, low comorbid AD”; Class 4: “mild AD, respiratory comorbidity”; Class 5: “mild AD, food-induced comorbidity”.

\*Wheezing or asthma. \*\*Allergic rhinitis or conjunctivitis or rhino-conjunctivitis. \*\*\*Urticaria, angioedema, oral allergic syndrome or anaphylaxis.

**Table S2.** Clinical manifestations and comorbidities of dermatitis by detected class in school-age children.

	<b>Class 1 n=40 (24%)</b>	<b>Class 2 n=17 (10%)</b>	<b>Class 3 n=27 (16%)</b>	<b>Class 4 n=81 (49%)</b>
<b>Atopy</b>	36 (92%)	6 (38%)	1 (4%)	78 (99%)
<b>Food allergy</b>	20 (50%)	4 (25%)	0 (0%)	16 (20%)
<b>Moderate/severe AD</b>	30 (75%)	14 (82%)	1 (4%)	18 (23%)
<b>Severe AD</b>	6 (15%)	2 (12%)	0 (0%)	1 (1%)
<b>&gt;3 exacerbations in the last 6 mo.</b>	39 (98%)	15 (88%)	8 (30%)	7 (9%)
<b>Itch without lesions</b>	35 (88%)	8 (47%)	11 (41%)	38 (47%)
<b>Night awakenings</b>	29 (72%)	17 (100%)	0 (0%)	25 (31%)
<b>Lower respiratory comorbidities*</b>	28 (70%)	3 (18%)	3 (12%)	31 (39%)
<b>Uncontrolled wheezing</b>	6 (15%)	0 (0%)	1 (4%)	14 (17%)
<b>Upper respiratory comorbidities**</b>	40 (100%)	8 (47%)	15 (56%)	73 (90%)
<b>Food induced comorbidities***</b>	25 (64%)	3 (19%)	3 (12%)	8 (10%)

Class 1: “moderate-severe, comorbid AD”; Class 2: “moderate-severe, low comorbid AD”; Class 3: “mild, low comorbid AD”; Class 4: “mild AD, respiratory comorbidity”. \*Wheezing or asthma. \*\*Allergic rhinitis or conjunctivitis or rhino-conjunctivitis. \*\*\*Urticaria, angioedema, oral allergic syndrome or anaphylaxis.