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Table SI. Fulfillment and detailed characteristics by Hanifin and Rajka criteria recorded in electronic health records of patients with atopic dermatitis diagnosis code (N = 300).

	Yes, N (%)		
	All N=300	Age ≤16 years at study time N=65	Age >16 years at study time N=235
Fulfillment of criteria			
≥3 basic and ≥3 minor criteria	146 (48.7)	32 (49.2)	114 (48.9)
≥3 basic criteria	206 (68.7)	47 (72.3)	159 (67.7)
Recorded basic features			
Pruritus	235 (78.3)	49 (75.4)	186 (79.1)
Typical morphology and distribution ¹	193 (64.3)	49 (75.4)	144 (61.3)
Chronic or chronically relapsing dermatitis	273 (91.0)	57 (87.7)	216 (91.9)
Personal or family history of atopy ²	176 (58.7)	43 (66.2)	133 (56.6)
Recorded minor features			
Xerosis	243 (81.0)	55 (84.6)	188 (80.0)
Ichthyosis/palmar hyperlinearity/keratosis pilaris	9 (3.0)	2 (3.1)	7 (3.0)
Immediate (type I) skin test reactivity	97 (32.3)	11 (16.9)	86 (36.6)
Elevated serum IgE	37 (12.3)	6 (9.2)	31 (13.2)
Early age of onset	98 (32.7)	50 (76.9)	48 (20.4)
Tendency towards cutaneous infections/impaired cell mediated immunity	44 (14.7)	7 (10.8)	37 (15.7)
Tendency towards non-specific hand or foot dermatitis	149 (49.7)	28 (43.1)	121 (51.5)
Nipple eczema	5 (1.7)	0 (0)	5 (2.1)
Cheilitis	15 (5.0)	1 (1.5)	14 (6.0)
Recurrent conjunctivitis	23 (7.7)	7 (10.8)	16 (6.8)
Dennie-Morgan intraorbital fold	6 (2.0)	0 (0)	6 (2.6)
Keratoconus	1 (0.3)	0 (0)	1 (0.4)
Anterior subcapsular cataracts	0 (0)	0 (0)	0 (0)
Orbital darkening	2 (0.6)	0 (0)	2 (0.9)
Facial pallor/erythema	112 (37.3)	24 (36.9)	88
Pityriasis alba	0 (0)	0 (0)	0 (0)
Anterior neck folds	2 (0.6)	1 (1.5)	1 (0.4)
Itch when sweating	13 (4.3)	1 (1.5)	12 (5.1)

Intolerance to wool and lipid solvents	1 (0.3)	0 (0)	1 (0.4)
Perifollicular accentuation	2 (0.6)	0 (0)	2 (0.9)
Food intolerance	74 (24.7)	23 (35.4)	51 (21.7)
Course influenced by environmental/emotional factors	14 (4.7)	0 (0)	14 (6.0)
White dermographism/delayed blanch	10 (3.3)	0 (0)	10 (4.3)

¹Flexural lichenification or linearity in adults, facial and extensor involvement in infants and children ²Asthma, allergic rhinitis, atopic dermatitis

Table SII. Distribution of specialties in which the diagnosis code for atopic dermatitis (AD) was recorded (N = 150) and its correlation (positive predictive value) to the AD diagnostic criteria and to retrospectively verified clinical diagnosis.

	AD diagnosis recorded ¹ N=150	AD according to Hanifin&Rajka criteria N=67	AD verified from health records by dermatologist N=136
	N (%)	N (PPV [95% CI²])	N (PPV [95% CI²])
Dermatology ≥ 2 times	92 (61.3)	47 (0.511 [0.405 - 0.616])	88 (0.957 [0.886 - 0.986])
Dermatology only once (total)	42 (28.0)	13 (0.310 [0.181 - 0.472])	37 (0.881 [0.736 - 0.955])
Dermatology once + pediatrics ≥ 1 time(s)	4	1 (NF)	4 (NF)
Dermatology once + other specialty other than pediatrics	4	2 (NF)	3 (NF)
Dermatology once	34	10 (0.294 [0.157 - 0.477])	30 (0.882 [0.716 - 0.962])
Pediatrics ≥ 2 times	7 (4.7)	3 (NF)	7 (NF)
Pediatrics once	2 (1.3)	2 (NF)	2 (NF)
Other specialty (excl. dermatology and pediatrics) once	1 (0.7)	0	0
No recorded diagnosis code found in electronic health records	6 (4.0)	2 (NF)	2 (NF)

¹ A case is included in the first category it fits into and to one category only. ² 95% CI were computed using Wilson's score method. NF: not feasible due to low number of cases. AD: atopic dermatitis, PPV: positive predictive value, CI: confidence interval.