

CLINICAL AND EPIDEMIOLOGICAL CHARACTERISTICS OF THE MOST COMMON ALLERGIC DISEASES: THE ANALYSIS OF THE DATA FROM KYIV REGION OF UKRAINE

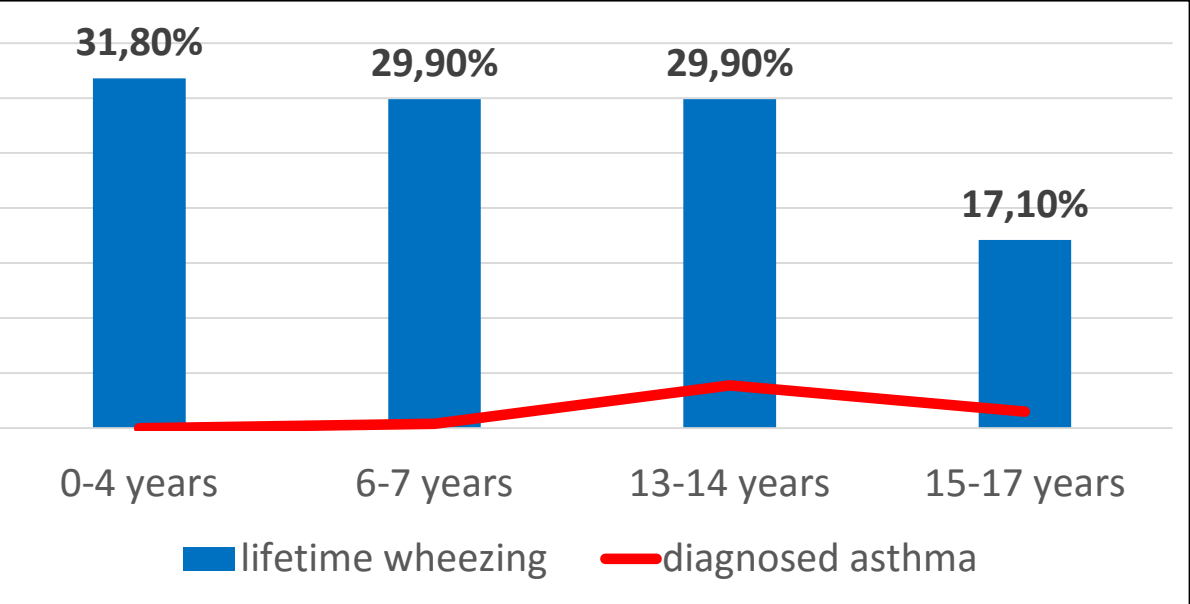
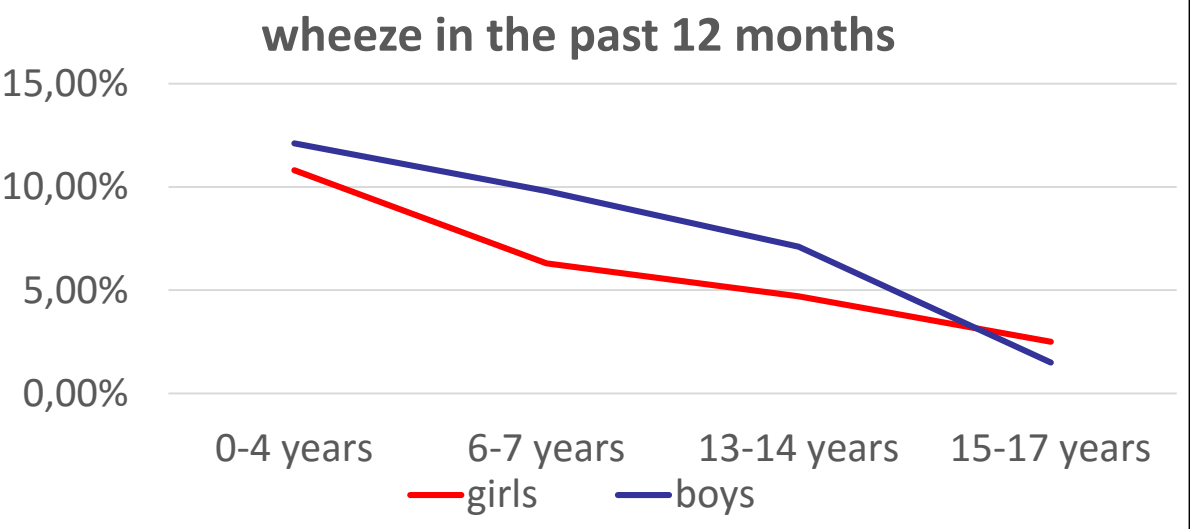
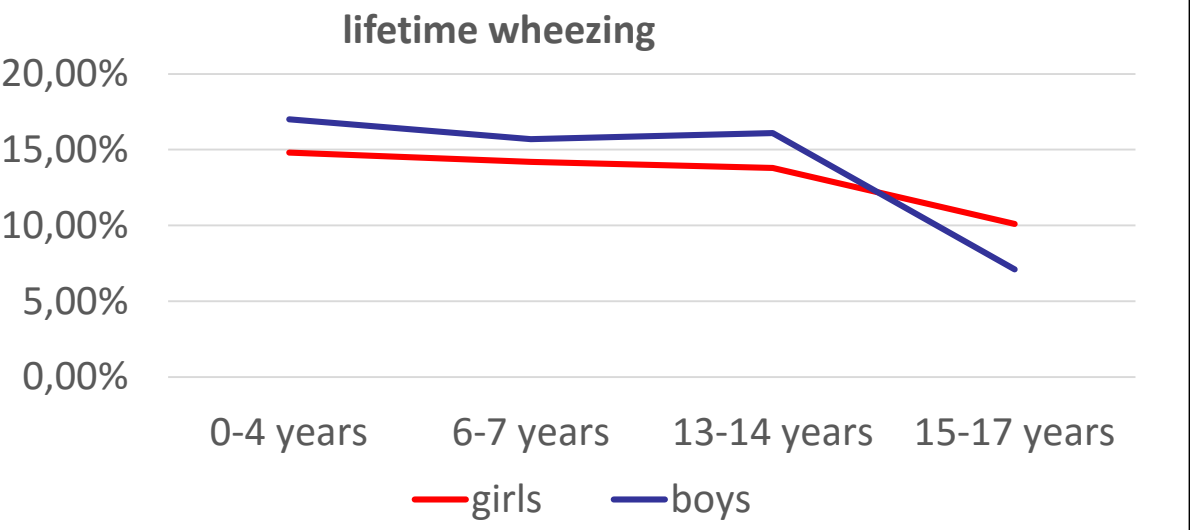
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Aim. To determine the prevalence of allergy symptoms in children and examine the modern level of allergic diseases (AD) diagnostics in our country on the example of Kyiv region.

Methods. 1011 children. Group I – 305 children (1 month-4 years), Group II – 254 children (6-7 years), Group III – 254 children (13-14 years), Group IV – 198 children (15-17 years). Boys – 49,7% (502/1011), girls – 50,3% (509/1011).

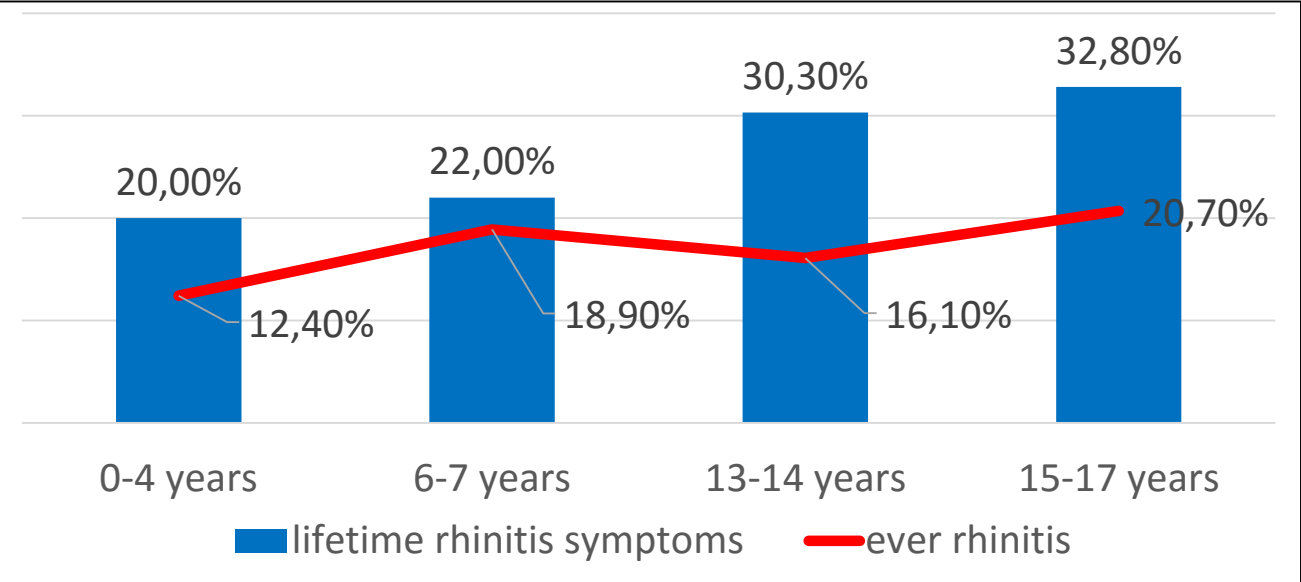
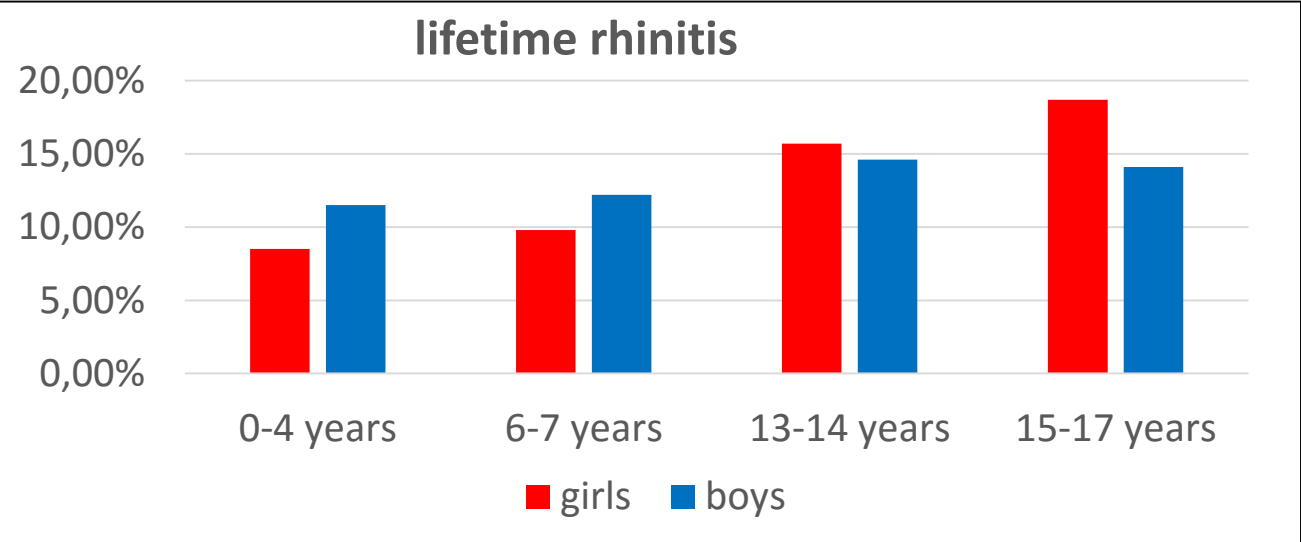
Results. Boys – 49,7% (502/1011), girls – 50,3% (509/1011). The wheezing in the course of life and within last 12 months was observed in Groups: I – 31,8% (97/305) and 22,9% (70/305) respectively; II – 29,9% (76/254) and 16,1% (41/254); III – 29,9% (76/254) and 11,8% (30/254), IV – 17,1% (34/198) and 4,05% (8/198). According to questionnaire data, no asthma was diagnosed in Group I, 0,4% (1/254) in Group II, 3,9% (10/254) in Group III and 1,5% (3/198) in Group IV.

Prevalence of asthma symptoms				
Symptoms	0-4 years (n=305)	6-7 years (n=254)	13-14 years (n=254)	15-17 years (n=198)
Lifetime wheezing	31,8% 97/305	29,9% 76/254	29,9% 76/254	17,1% 34/198
Wheezing in the past 12 months	22,9% 70/305	16,1% 41/254	11,8% 30/254	4,05% 8/198
≥4 attacks	3,6% 11/305	3,9% 10/254	2,3% 6/254	0,5% 1/198
Asthma diagnosed	0/305	0,4% 1/254	3,9% 10/254	1,5% 3/198



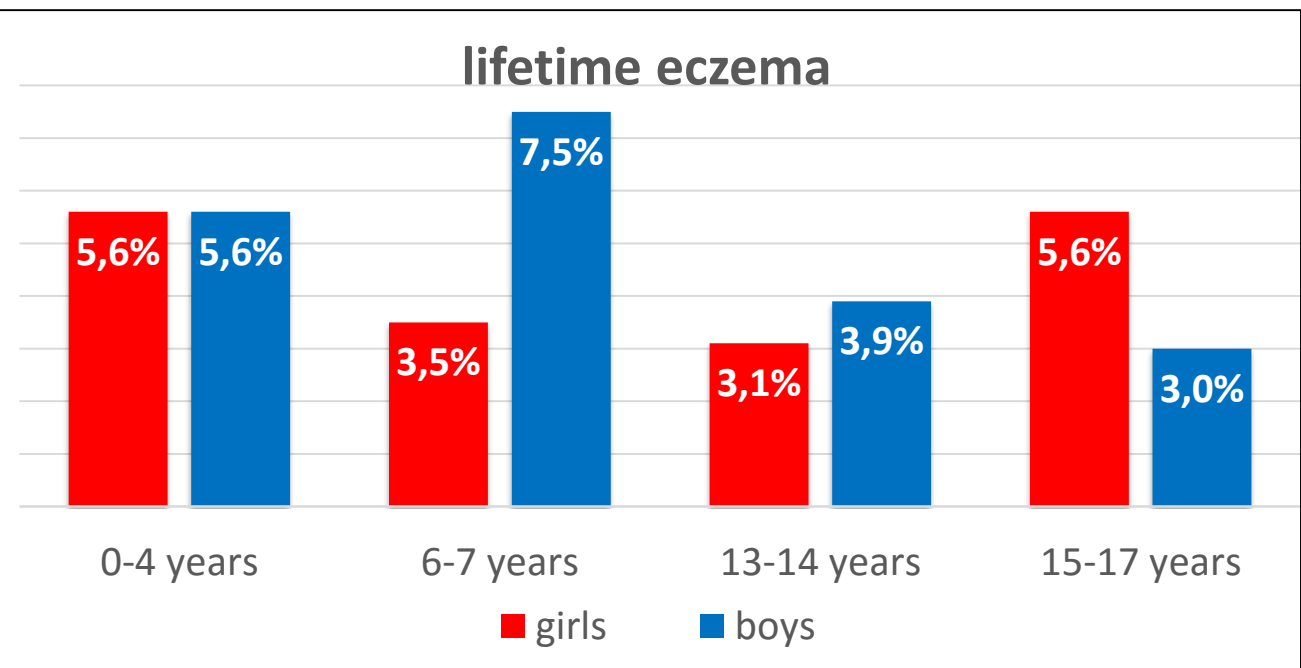
The prevalence of rhinitis symptoms in Groups: I – 20,0% (61/305), II – 22% (56/254), III – 30,3% (77/254) and IV (32,8% 65/198). The rhinitis diagnostics level in Groups: I – 12,4% (38/105), II – 18,9% (48/254), III – 16,1% (41/254), IV – 20,7% (41/198).

Prevalence of allergic rhinitis				
Symptoms	0-4 years (n=305)	6-7 years (n=254)	13-14 years (n=254)	15-17 years (n=198)
Lifetime rhinitis	20,0% 61/305	22,0% 56/254	30,3% 77/254	32,8% 65/198
Rhinitis in the past 12 months	15,7% 48/305	17,7% 45/254	26,7% 68/254	25,2% 50/198
Rhinitis diagnosed	12,4% 38/305	18,9% 48/254	16,1% 41/254	20,7% 41/198



The prevalence of eczema symptoms in Groups: I – 11,1% (34/305), II – 11,0% (28/254), III – 7,1% (18/254), IV – 8,6% (17/198). The eczema was diagnosed in Groups: I – 14,4% (44/305), II – 12,2% (31/254), III – 5,9% (15/254), IV – 7,1% (14/198).

Prevalence of eczema				
Symptoms	0-4 years (n=305)	6-7 years (n=254)	13-14 years (n=254)	15-17 years (n=198)
Lifetime eczema	11,1% 34/305	11,0% 28/254	7,1% 18/254	8,6% 17/198
Eczema diagnosed	14,4% 44/305	12,2% 31/254	5,9% 15/254	7,1% 14/198



Conclusion: The level of diagnostics of AD, particularly asthma, remains low in Ukraine, especially in children under 4 years.