

**Table S1.** Study characteristics (n = 64).

First author (ref)	Study population	Sample size (n)	Study design	Diagnostic methods	Prevalence (%)
Ahad (18)	Elite summer sport	179	Prospective	Bronchial provocation	7.3
Alaranta (19)	Elite mixed sport	446	Prospective	Physician	13.9
Anderson (12)	Elite mixed sport	10653	Retrospective	Combination	4.2
Anderson (13)	Elite mixed sport	2517	Retrospective	Combination	6.6
Batista (20)	Elite mixed sport	290	Prospective	Questionnaire	7.9

Bonini (21)	Elite mixed sport	98	Prospective	Physician	20.4
Bonini (22)	Elite mixed sport	659	Retrospective	Physician	14.4
Bougault (23)	Elite soccer	85	Prospective	Physician	2.4
Burnett (24)	Recreational mixed sport	196	Prospective	Questionnaire	28.6
Burns (25)	Elite mixed sport	546	Prospective	Physician	16.8
Dickinson (26)	Elite mixed sport	271	Prospective	Bronchial provocation	20.7
Dickinson (27)	Elite winter sports	14	Prospective	Bronchial provocation	14.3
Dickinson (9)	Elite mixed sport	228	Prospective	Bronchial provocation	34.2
Durand (28)	Elite skiers	31	Prospective	Bronchial provocation	48.4
Eriksson (29)	Elite skiers	244	Prospective	Physician	26.6
Helenius (30)	Elite runners	58	Prospective	Bronchial provocation	8.6
Helenius (31)	Elite mixed sport	162	Prospective	Combination	22.8
Holzer (32)	Elite mixed sport	50	Prospective	Combination	50
Holzer (33)	Elite summer sport	50	Prospective	Bronchial provocation	52
Hunt (34)	Elite hurling	92	Prospective	Bronchial provocation	8.7
Jackson (35)	Elite soccer	97	Prospective	Bronchial provocation	27.8
Kippelen (36))	Recreational mixed sport	95	Prospective	Questionnaire	5.3
Kukafka (37)	Recreational American football	214	Prospective	Bronchial provocation	8.9
Kurowski (38)	Elite mixed sport	220	Prospective	Combination	12.3
Langdeau (39)	Recreational mixed sport	798	Prospective	Physician	13.5
Larsson (8)	Elite skiers	42	Prospective	Combination	78.6
Leuppi (40)	Elite ice hockey / handball	50	Prospective	Bronchial provocation	28
Levai (41)	Elite boxing	38	Prospective	Bronchial provocation	7.9
Lumme (42)	Elite strength and power athletes	88	Prospective	Physician	23.9
Lund (43)	Elite mixed sport	329	Prospective	Questionnaire	55
Mannix (44)	Recreational mixed sport	212	Prospective	Bronchial provocation	19.3
Mannix (45)	Recreational mixed sport	79	Prospective	Bronchial provocation	38
Marefati (46)	Recreational mixed sport	60	Prospective	Bronchial provocation	40
Martin (7)	Elite mixed sport	118	Prospective	Bronchial provocation	54.2
Medelli (47)	Elite cycling	25	Prospective	Combination	52
Molphy (48)	Recreational mixed sport	136	Prospective	Bronchial provocation	13.2
Näsman (49)	Recreational mixed sport	9954	Prospective	Physician	17
Nystad (50)	Elite mixed sport	1082	Retrospective	Questionnaire	10
Päivinen (51)	Elite swimmers	200	Prospective	Questionnaire	16
Parsons (52)	Recreational mixed sport	107	Prospective	Bronchial provocation	39.3
Parsons (53)	Elite mixed sport	144	Prospective	Bronchial provocation	2.8
Pohjantähti (54)	Elite skiers	20	Prospective	Bronchial provocation	35
Price (55)	Recreational mixed sport	94	Prospective	Bronchial provocation	17
Ross (56)	Elite soccer	34	Prospective	Combination	55.9
Rundell (57)	Elite mixed sport	158	Prospective	Bronchial provocation	25.9
Rundell (58)	Elite mixed sport	370	Prospective	Bronchial provocation	30
Sallaoui (59)	Elite mixed sport	107	Prospective	Questionnaire	13.1
Sallaoui (60)	Elite mixed sport	326	Prospective	Bronchial provocation	27
Schoene (61)	Elite mixed sport	73	Prospective	Bronchial provocation	15.1
Selge (62)	Elite mixed sport	548	Prospective	Physician	15
Smith (63)	Recreational mixed sport	305	Prospective	Combination	23.9
Sonna (64)	Army recruits	121	Retrospective	Bronchial provocation	6.6
Stadelmann (6)	Elite swimming	24	Prospective	Bronchial provocation	58.3
Sue-Chu (65)	Elite skiers	58	Prospective	Bronchial provocation	43.1
Tanaka (66)	Elite mixed sport	2111	Retrospective	Questionnaire	6.5
Teixeira (67)	Elite runners	20	Prospective	Bronchial provocation	25
Thole (68)	Recreational runners	118	Prospective	Bronchial provocation	13.6
Uçok (69)	Elite running	20	Prospective	Bronchial provocation	25
Ulrik (70)	Elite canoe and kayak	29	Prospective	Bronchial provocation	24.1
Weiler (71)	Elite mixed sport	699	Retrospective	Physician	16.7
Weiler (72)	Elite mixed sport	196	Prospective	Questionnaire	22.4
Wilber (73)	Elite mixed sport	170	Prospective	Bronchial provocation	22.9
Wolanczyk (74)	Recreational mixed sport	77	Prospective	Bronchial provocation	1.3
Zoz (75)	Elite mixed sport	763	Retrospective	Physician	17