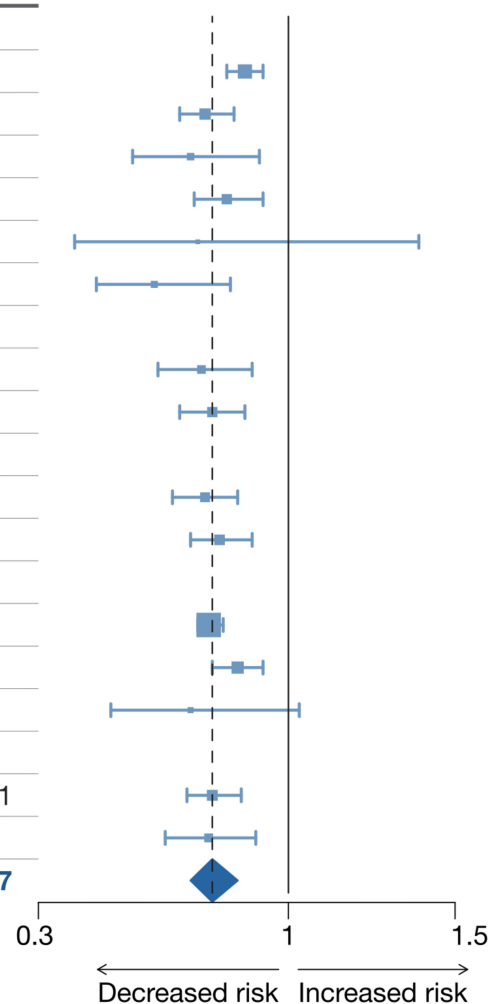


## A. Birth order and current allergic rhinitis

Subgroup	No. of studies	N	RR (95% CI)	I <sup>2</sup>	τ <sup>2</sup>	df
<b>Birth order</b>						
2	14	191,854	0.88 (0.83-0.93)	69.85	0	8.13
3	9	134,511	0.77 (0.7-0.85)	80.04	0.01	5.91
4	6	114,361	0.73 (0.57-0.92)	89.34	0.03	4.79
≥2	9	43,518	0.83 (0.74-0.93)	88.98	0.01	6.3
≥3	6	13,141	0.75 (0.41-1.36)	88.49	0.18	4.87
≥5	5	92,594	0.63 (0.47-0.84)	87.4	0.04	3.8
<b>Data collected (years)</b>						
< 2000	7	156,192	0.76 (0.64-0.9)	89.79	0.03	5.56
≥ 2000	11	54,159	0.79 (0.7-0.88)	74.8	0.01	7.19
<b>Study design</b>						
Cohort	10	178,360	0.77 (0.68-0.86)	91.15	0.03	7.99
Cross-sectional	14	57,866	0.81 (0.73-0.9)	74.21	0.01	9.18
<b>Quality rating</b>						
Strong	7	34,375	0.78 (0.75-0.82)	10.78	0	1.58
Moderate	10	168,829	0.86 (0.79-0.93)	78.91	0.01	6.55
Weak	7	33,022	0.73 (0.51-1.03)	88.28	0.08	5.52
<b>Age (years)</b>						
≤12	17	64,829	0.79 (0.72-0.87)	73.88	0.01	11.71
≥13	7	161,051	0.78 (0.66-0.91)	93.6	0.03	5.82
<b>Overall</b>	<b>24</b>	<b>292,067</b>	<b>0.79 (0.73-0.86)</b>	<b>86.09</b>	<b>0.02</b>	<b>18.27</b>



## B. Sibship size and current allergic rhinitis

Subgroup	No. of studies	N	RR (95% CI)	I <sup>2</sup>	τ <sup>2</sup>	df
<b>Sibship size</b>						
2	6	47,610	1 (0.88-1.13)	0	0	1.83
3	5	26,977	0.92 (0.85-1)	15.16	0	2.19
≥2	4	45,842	0.88 (0.81-0.96)	56.07	0	2.75
<b>Quality rating</b>						
Strong	4	45,312	0.9 (0.77-1.04)	67.89	0	2.55
Moderate	7	48,769	0.87 (0.76-0.99)	78.91	0.01	4.77
<b>Age (years)</b>						
≤12	5	28,343	0.81 (0.64-1.03)	81.73	0.01	3.09
≥13	6	47,818	0.93 (0.85-1.02)	60.51	0.01	4.11
<b>Overall</b>	<b>11</b>	<b>133,926</b>	<b>0.89 (0.83-0.95)</b>	<b>73.7</b>	<b>0.01</b>	<b>7.87</b>

