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## REFERENCES

1. Whincup, P.H., Cook, D.G., Strachan, D.P., Papacosta, O. Time trends in respiratory symptoms in childhood over a 24 year period. *Arch. Dis. Child.* 1993; **68**: 729-734.
2. Settipane, R.J., Hagy, G.W., Settipane, G.A. Long-term risk factors for developing asthma and allergic rhinitis: a 23-year follow-up study of college students. *Allergy Proc.* 1994; **15**: 21-25.
3. Manfreda, J., Becker, A.B., Wang, P.Z., Roos, L.L., Anthonisen, N.R. Trends in physician-diagnosed asthma prevalence in Manitoba between 1980 and 1990. *Chest* 1993; **103**: 151-157.
4. Farber, H.J., Wattigney, W., Berenson, G. Trends in asthma prevalence: the Bogalusa Heart Study. *Ann. Allergy Asthma Immunol.* 1997; **78**: 265-269.
5. Anderson, H.R., Butland, B.K., Strachan, D.P. Trends in prevalence and severity of childhood asthma. *Br. Med. J.* 1994; **308**: 1600-1604.
6. Aberg, N., Hesselmar, B., Aberg, B., Eriksson, B. Increase of asthma, allergic rhinitis and eczema in Swedish schoolchildren between 1979 and 1991. *Clin. Exp. Allergy* 1995; **25**: 815-819.
7. Weiss, K.B., Gergen, P.J., Hodgson, T.A. An economic evaluation of asthma in the United States. *N. Engl. J. Med.* 1992; **326**: 862-866.
8. Sullivan, S.D., Weiss, K.B. Assessing cost-effectiveness in asthma care: building an economic model to study the impact of alternative intervention strategies. *Allergy* 1993; **48**: 146-152.
9. Abdulrazzaq, Y.M., Bener, A., DeBuse, P. Association of allergic symptoms in children with those in their parents. *Allergy* 1994; **49**: 737-743.
10. Wright, A.L., Holberg, C.J., Martinez, F.D., Halonen, M., Morgan, W., Taussig, L.M. Epidemiology of physician-diagnosed allergic rhinitis in childhood. *Pediatrics* 1994; **94**: 895-901.
11. Linna, O., Kokkonen, J., Lukin, M. A 10-year prognosis for childhood allergic rhinitis. *Acta Paediatr.* 1992; **81**: 100-102.
12. Corren, J. Allergic rhinitis and asthma: how important is the link? *J. Allergy Clin. Immunol.* 1997; **99**: S781-S786.
13. Ng, T.P., Tan, W.C. Epidemiology of allergic rhinitis and its associated risk factors in Singapore. *Int. J. Epidemiol.* 1994; **23**: 553-558.
14. Aberg, N., Sundell, J., Eriksson, B., Hesselmar, B., Aberg, B. Prevalence of allergic diseases in schoolchildren in relation to family history, upper respiratory infections, and residential characteristics. *Allergy* 1996; **51**: 232-237.
15. Mygind, N., Dahl, R. Epidemiology of allergic rhinitis. *Pediatr. Allergy Immunol.* 1996; **7**: 57-62.
16. Weiland, S.K., Mundt, K.A., Ruckmann, A., Keil, U. Self-reported wheezing and allergic rhinitis in children and traffic density on street of residence. *Ann. Epidemiol.* 1994; **4**: 243-247.
17. Rothman, K.J. "Analysis with multiple level of exposure" in *Modern epidemiology*; Little, Brown and Co.: Boston/Toronto 1986; pp 327-350.
18. Su, H.J., Tsuang, H.C., Lin, Y.C., Guo, Y.L. School type, stress and sport-related injuries in middle school students in central Taiwan. *Safety Sci.* 2001 (in press).
19. Steen-Johnsen, J., Bolle, R., Holt, J., Benan, K., Magnus, P. Impact of pollution and place of residence on atopic diseases among schoolchildren in Telemark County, Norway. *Pediatr. Allergy Immunol.* 1995; **6**: 192-199.
20. Charpin, D., Sibbald, B., Weeke, E., Wuthrich, B. Epidemiologic identification of allergic rhinitis. *Allergy* 1996; **51**: 293-298.
21. Saraclar, Y., Yigit, S., Adalioglu, G., Tuncer, A., Tuncbilek, E. Prevalence of allergic diseases and influencing factors in primary-school children in the Ankara Region of Turkey. *J. Asthma* 1997; **34**: 23-30.
22. Norrman, E., Rosenhall, L., Nystrom, L., Jonsson, E., Stjernberg, N. Prevalence of positive skin prick tests, allergic asthma, and rhinoconjunctivitis in teenagers in northern Sweden. *Allergy* 1994; **49**: 808-815.