

Supplemental Data for: Mixed evidence on the relationship between socioeconomic position and atopic dermatitis: a systematic review

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Supplemental Table 1: Studies included in review

First Author	Year	Title	Journal Name
Al-Makoshi	2013	Breastfeeding practice and its association with respiratory symptoms and atopic disease in 1-3-year-old children in the city of Riyadh, central Saudi Arabia	Breastfeeding Medicine
Almqvist	2005	Low socioeconomic status as a risk factor for asthma, rhinitis and sensitization at 4 years in a birth cohort	Clinical and Experimental Allergy
Andrusaityte	2017	Effect of diet and maternal education on allergies among preschool children: A case-control study	Environmental Research
Apfelbacher	2010	Contact to cat or dog, allergies and parental education	Pediatric Allergy and Immunology
Araki	2018	Associations between allergic symptoms and phosphate flame retardants in dust and their urinary metabolites among school children	Environment International
Ban	2018	Incidence and sociodemographic characteristics of eczema diagnosis in children: A cohort study	Journal of Allergy and Clinical Immunology
Ben-Gashir	2004	Predictors of atopic dermatitis severity over time	Journal of the American Academy of Dermatology
Benn	2005	Cohort study of sibling effect and infectious diseases on the development of atopic dermatitis--secondary publication	Ugeskrift for Laeger
Bisanti	2005	Respiratory and allergic disorders in children:	Epidemiologia e Prevenzione

		differences in socio-economic status	
Bowker	1976	Sociological implications of an epidemiological study of eczema in the City of Birmingham	British Journal of Dermatology
Buser	1998	Illness and social status-- the special case of neurodermatitis	Gesundheitswesen
Butland	1997	Investigation into the increase in hay fever and eczema at age 16 observed between the 1958 and 1970 British birth cohorts	The BMJ
Chatenoud	2020	Markers of microbial exposure lower the incidence of atopic dermatitis	Allergy
Cheng	2017	The associations between personality traits, education, occupation and the occurrence of eczema in adulthood	Journal of Health Psychology
Cho	2014	Asthma and allergic diseases in preschool children in Korea: findings from the pilot study of the Korean Surveillance System for Childhood Asthma	Journal of Asthma
Civelek	2011	Prevalence, burden, and risk factors of atopic eczema in schoolchildren aged 10-11 years: a national multicenter study	Journal of Investigative Allergology and Clinical Immunology
Demir	2004	Asthma and allergic diseases in schoolchildren: third cross-sectional survey in the same primary school in Ankara, Turkey	Pediatric Allergy and Immunology
de Lusignan	2021	The epidemiology of eczema in children and adults in England: A	Clinical and Experimental Allergy

		population-based study using primary care data	
Dom	2009	The influence of parental educational level on the development of atopic sensitization, wheezing and eczema during the first year of life	Pediatric Allergy and Immunology
Ergin	2008	Epidemiology of atopic dermatitis in primary schoolchildren in Turkey	Pediatric Dermatology
Ernst	2016	Lower Prevalence of Atopic Dermatitis and Allergic Sensitization among Children and Adolescents with a Two-Sided Migrant Background	International Journal of Environmental Research and Public Health
Forster	1990	Atopy-suggesting symptoms in the first 2 years of life. Effect of gestational age, nutrition and social class	Klinische Padiatrie
Fu	2014	Eczema and sensitization to common allergens in the United States: a multiethnic, population-based study	Pediatric Dermatology
George	1989	Atopic dermatitis in Nigeria	International Journal of Dermatology
Gibbs	2004	Atopic dermatitis and the hygiene hypothesis: a case-control study	International Journal of Epidemiology
Goh	1996	Prevalence and severity of asthma, rhinitis, and eczema in Singapore schoolchildren	Archives of Disease in Childhood
Golding	1987	The epidemiology of childhood eczema: I. A population based study of associations	Paediatric and Perinatal Epidemiology
Gray	2020	Investigating hair zinc concentrations in children with and without atopic dermatitis	South African Medical Journal

Hammer-Helmich	2013	Association between parental socioeconomic status and prevalence of asthma, atopic eczema and hay fever in children	European Journal of Epidemiology
Hanifin	2007	A population-based survey of eczema prevalence in the United States	Dermatitis
Harris	2001	Environmental associations with eczema in early life	British Journal of Dermatology
Horak	2007	Association between environmental tobacco smoke exposure and wheezing disorders in Austrian preschool children	Swiss Medical Weekly
Hu	2019	Most associations of early-life environmental exposures and genetic risk factors poorly differentiate between eczema phenotypes: the Generation R study	British Journal of Dermatology
Hua	2018	Atopic dermatitis in US adults: Epidemiology, association with marital status, and atopy	Annals of Allergy, Asthma & Immunology
Huang	2021	Prenatal exposure to air pollutants and childhood atopic dermatitis and allergic rhinitis adopting machine learning approaches: 14-year follow-up birth cohort study	Science of the Total Environment
Ivert	2019	Association between atopic dermatitis and cardiovascular disease: a nationwide register-based case-control study from Sweden	Acta Dermato-Venereologica
Jin	2016	Risk factors for and expression of immune and inflammatory factors	Molecular and Cellular Probes

		in atopic dermatitis in Chinese population: A birth cohort study	
Kim	2016	Lifetime prevalence of childhood eczema and the effect of indoor environmental factors: Analysis in Hispanic and non-Hispanic white children	Allergy and Asthma Proceedings
Kim	2014	Trends in the prevalence of asthma, rhinitis, and eczema in 15 year old adolescents over an 8 year period	Respiratory Medicine
Kim	2016	High-Fat and Low-Carbohydrate Diets Are Associated with Allergic Rhinitis But Not Asthma or Atopic Dermatitis in Children	PLoS ONE
Kuo	2016	Birth month and risk of atopic dermatitis: a nationwide population-based study	Allergy
Kwak	2017	Associations between prevalence of adult atopic dermatitis and occupational characteristics	International Journal of Nursing Practice
Kwon	2015	Indoor total volatile organic compounds exposure at 6 months followed by atopic dermatitis at 3 years in children	Pediatric Allergy and Immunology
Lee	2017	Correlation between socio-economic status and atopic dermatitis in Korean adults: the Korea national health and nutrition examination survey (2007-2014)	Clinical and Experimental Allergy
Lee	2016	Socioeconomic and sociodemographic factors related to allergic diseases	BMC Pediatrics

		in Korean adolescents based on the Seventh Korea Youth Risk Behavior Web-based Survey: a cross-sectional study	
Lee	2007	Increasing prevalence of atopic eczema in Taiwanese adolescents from 1995 to 2001	Clinical and Experimental Allergy
Lewis	1998	Consistent effects of high socioeconomic status and low birth order, and the modifying effect of maternal smoking on the risk of allergic disease during childhood	Respiratory Medicine
McKenzie	2019	Associations of unsafe, unsupportive, and underdeveloped neighborhoods with atopic dermatitis in US children	Annals of Allergy, Asthma, & Immunology
McKenzie	2018	Association of family structure with atopic dermatitis in US children	Journal of the American Academy of Dermatology
Mercer	2004	Socioeconomic status and prevalence of allergic rhinitis and atopic eczema symptoms in young adolescents	Pediatric Allergy and Immunology
Miyake	2012	Parental employment, income, education and allergic disorders in children: a prebirth cohort study in Japan	International Journal of Tuberculosis and Lung Disease
Montnemery	2003	Prevalence of self-reported eczema in relation to living environment, socio-economic status and respiratory symptoms assessed in a questionnaire study	BMC Dermatology
Nishioka	2021	Single-parenthood and health conditions among	BMC Pediatrics

		children receiving public assistance in Japan: a cohort study	
Ofenloch	2019	Socioeconomic Status and the Prevalence of Skin and Atopic Diseases in Five European Countries	Acta Dermato-Venereologica
Peters	1987	The epidemiology of childhood eczema: II. Statistical analyses to identify independent early predictors	Paediatric and Perinatal Epidemiology
Petherick	2016	Ethnic and socio-economic differences in the prevalence of wheeze, severe wheeze, asthma, eczema and medication usage at 4 years of age: Findings from the Born in Bradford birth cohort	Respiratory Medicine
Purvis	2005	Risk factors for atopic dermatitis in New Zealand children at 3.5 years of age	British Journal of Dermatology
Rea	1976	Skin disease in Lambeth. A community study of prevalence and use of medical care	British Journal of Preventative and Social Medicine
Renzoni	1999	Differences in parental- and self-report of asthma, rhinitis and eczema among Italian adolescents. SIDRIA collaborative group. Studi Italiani sui Disordini Respiratori dell' Infanzia e l'Ambiente	European Respiratory Journal
Ruijsbroek	2011	The development of socio-economic health differences in childhood: results of the Dutch longitudinal PIAMA birth cohort	BMC Public Health
Saraclar	1997	Prevalence of allergic diseases and influencing factors in primary-school	Journal of Asthma

		children in the Ankara Region of Turkey	
Sasaki	2016	Environmental factors associated with childhood eczema: Findings from a national web-based survey	Allergology International
Schafer	2000	The excess of atopic eczema in East Germany is related to the intrinsic type	British Journal of Dermatology
Schmitz	2012	Prevalence and risk factors of atopic diseases in German children and adolescents	Pediatric Allergy and Immunology
Shaw	2011	Eczema prevalence in the United States: data from the 2003 National Survey of Children's Health	Journal of Investigative Dermatology
Shreberk-Hassidim	2017	Atopic Dermatitis in Israeli Adolescents from 1998 to 2013: Trends in Time and Association with Migraine	Pediatric Dermatology
Silverberg	2014	Associations of childhood eczema severity: a US population-based study	Dermatitis
Sole	2007	Prevalence of symptoms of asthma, rhinitis, and atopic eczema in Brazilian adolescents related to exposure to gaseous air pollutants and socioeconomic status	Journal of Investigative Allergology and Clinical Immunology
Strachan	1989	Hay fever, hygiene, and household size	The BMJ
Sun	2019	High prevalence of eczema among preschool children related to home renovation in China: A multi-city-based cross-sectional study	Indoor Air
Sybilski	2015	Epidemiology of atopic dermatitis in Poland according to the Epidemiology of Allergic	Journal of Dermatology

		Disorders in Poland (ECAP) study	
Talay	2008	Prevalence and risk factors of asthma and allergic diseases among schoolchildren in Bolu, Turkey	Acta Paediatrica
Taylor	1983	Changes in the reported prevalence of childhood eczema since the 1939-45 war	Lancet
Taylor-Robinson	2016	Do early-life exposures explain why more advantaged children get eczema? Findings from the U.K. Millennium Cohort Study	British Journal of Dermatology
Theodosiou	2019	Burden of Atopic Dermatitis in Swedish Adults: A Population-based Study	Acta Dermato-Venereologica
Torfi	2015	Impact of socioeconomic and environmental factors on atopic eczema and allergic rhinitis: A cross sectional study	EXCLI Journal
Victorino	2009	The social determinants of child health: variations across health outcomes - a population-based cross-sectional analysis	BMC Pediatrics
Wang	2021	Prevalence of adult eczema, hay fever, and asthma, and associated risk factors: a population-based study in the northern grassland of China	Allergy, Asthma, and Clinical Immunology
Wang	2016	Maternal psychological problems increased the risk of childhood atopic dermatitis	Pediatric Allergy and Immunology
Wang	2006	Genetic and environmental predictors for pediatric atopic dermatitis	Acta Dermato-Venereologica

Weber	2010	The prevalence of atopic dermatitis in children is influenced by their parents' education: results of two cross-sectional studies conducted in Upper Austria	Pediatric Allergy and Immunology
Wen	2009	Predicting risk for early infantile atopic dermatitis by hereditary and environmental factors	British Journal of Dermatology
Werner	2002	The incidence of atopic dermatitis in school entrants is associated with individual life-style factors but not with local environmental factors in Hannover, Germany	British Journal of Dermatology
Williams	1994	Childhood eczema: disease of the advantaged?	The BMJ
Wohl	2014	Atopic dermatitis in Israeli adolescents - a large retrospective cohort study	Acta Dermato-Venereologica
Wolkewitz	2007	Lifetime prevalence of self-reported atopic diseases in a population-based sample of elderly subjects: results of the ESTHER study	British Journal of Dermatology
Xiao	2019	The Prevalence of Atopic Dermatitis and Chronic Spontaneous Urticaria are Associated with Parental Socioeconomic Status in Adolescents in China	Acta Dermato-Venereologica
Yura	2001	Trends in the prevalence of atopic dermatitis in school children: longitudinal study in Osaka Prefecture, Japan, from 1985 to 1997	British Journal of Dermatology

