

**Additional File 5: Summary of studies with Current asthma definitions that used the International Study of Asthma and Allergies in Childhood (ISAAC) questionnaire (n=18).**

<b>Paper</b>	<b>Aim of the study</b>	<b>Study Setting</b>	<b>Methodology</b>	<b>Definition of current asthma</b>
<b>Alves GdC, 2012[1]</b>	To determine the association between community violence and asthma symptoms.	Population-based sample of children Salvador-Baia, Brazil	Brazilian version of ISAAC questionnaire	Wheeze in the last 12 months and at least one of the following: any lifetime episode of asthma; wheezing during physical exercise; four or more episodes of wheezing in the previous year; or waking at night at least once a week due to wheezing in the previous year.
<b>Broms K, 2013[2]</b>	To make an in-depth analysis of the co-occurrence of possible asthma, allergic rhinitis, eczema, and food allergy.	Pre-school based sample of children from Sweden.	ISAAC questionnaire	One of the following 1) Ever had asthma and wheezing in the last 12 months or 2) wheezing 4 times or more during the last 12 months or 3) physician diagnosis and wheezing in the last 12 months or 4) current use of inhalation steroids
<b>de Farias MRdC, 2010[3]</b>	To assess the prevalence of symptoms of asthma	School-based sample of children and adolescents from Alta Floresta, Brazil.	Brazilian version of ISAAC I questionnaire	Wheeze in the last 12 months
<b>Dell SD, 2010[4]</b>	To assess the prevalence of asthma and allergic disease	School-based sample of children from Toronto - Ontario, Canada	ISAAC I protocol	Ever had asthma and was this confirmed by a doctor and wheeze and/or medication(s) for asthma or wheezing in the past 12 months
<b>Delmas MC, 2012[5]</b>	To estimate the prevalence of asthma	Data from 3 French national studies were analyzed: the Decennial Health Interview Survey conducted in 2003 among a representative sample of households and 2 surveys conducted among representative samples of schoolchildren from 9th grade in 2003–2004 and 5th grade in 2004–2005.	ISAAC questionnaire	Current wheeze and 1) Ever had an asthma attack or 2) taking medication(s) for asthma or wheezing
<b>Duggan EM, 2012[6]</b>	To compare the prevalence of asthma, allergic rhinitis and eczema in two cross-sectional studies performed 5 yr apart (2002 and 2007)	School-based sample of children from Cork City, Ireland	ISAAC questionnaire	Wheeze in the last 12 months
<b>Fiori NS, 2012[7]</b>	To compare asthma prevalence in two cross-sectional studies with a	Population-based sample of adults from	Brazilian version of ISAAC questions (and also included	Self-reported asthma in the last 12 months

	ten-year interval	Pelotas - Rio Grande do Sul, Brazil.	questions from ECRHS II)	
<b>Gomes de Luna MdF, 2013[8]</b>	To describe the prevalences of asthma and rhinitis, comparing the results with those obtained in a prevalence survey conducted in 2006-2007.	School-based sample of adolescents from Fortaleza - Ceará, Brasil	ISAAC I protocol	Wheeze in the last 12 months
<b>Gomes de Luna MdF, 2011[9]</b>	To assess the prevalence of asthma and rhinitis and the association between the two conditions.	School-based sample of adolescents from Fortaleza - Ceará, Brasil	ISAAC I protocol	Wheeze in the last 12 months
<b>Gudelj I, 2012[10]</b>	To compare intraregional prevalence of asthma	School base sample of adolescents from Split-Dalmatia County, Croatia	ISAAC questions (and also included questions from ECRHS II)	Wheeze in the last 12 months
<b>Hong S, 2012[11]</b>	To assess the prevalence of childhood atopic dermatitis, asthma, and allergic rhinitis	School-based sample of children from Seoul, Korea	ISAAC III questionnaire	Wheeze in the last 12 months
<b>Jain A, 2010[12]</b>	To assess the prevalence of bronchial asthma and its association with socio-demographic factors	Community based sample study among children aged 6-15 yr in the rural field practice area of the department of Community Medicine at KMC, Manipal.	Kannada version of ISAAC questionnaire	Wheeze in the last 12 months
<b>Kwon J-W, 2011[13]</b>	To assess the prevalence of asthma and determine its risk factors	School-base sample of children from Seoul, Japan	Modified ISAAC questionnaire	Diagnosed with asthma in their lifetime and experienced wheezing in the last 12 months
<b>Matos Povoas Juca SCB, 2012[14]</b>	To estimate the prevalence of active asthma and identify associated risk factors.	School-based sample of adolescents from Cuiaba - Mato Grosso, Brazil.	ISAAC I protocol and modified brazilian version of ISAAC questionnaire (one question added)	Wheeze in the last 12 months
<b>Robinson CL, 2012[15]</b>	To compare the prevalence and severity of asthma in a urban and rural communities	Population-based sample of adolescents from Peru	Spanish version of ISAAC questionnaire	Wheeze and/or use of asthma medication in the last 12 months
<b>Rodriguez A, 2011[16]</b>	To explore the influence of urbanization in asthma prevalence	Population-based sample of children and adolescents from Esmeraldas, Ecuador	Questionnaire adapted from ISAAC II	Wheeze in the last 12 months
<b>Sanchez-Lerma B, 2012[17]</b>	To investigate the prevalence of bronchial asthma and allergic diseases	School-based sample of children from Canary Islands	ISAAC I protocol	Wheeze in the last 12 months
<b>Toledo MF, 2011[18]</b>	To assess the prevalence of asthma and allergies	School-based sample of adolescents from the city of Taubate, Sao Paulo, Brazil	ISAAC I questionnaire	Wheeze in the last 12 months

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