



The ISAAC Story

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Maps and Graphs

As well as the maps, a variety of other graphs were developed in consultation with the writing groups and Steering Committee to present the data from both Phase One and Phase Three. The most common graphs used were ranked prevalence scatter plots and simple scatter plots. I hope you find these maps and graphs useful and enjoyable to view. As a geographer by training, I particularly enjoyed the process of developing and preparing the maps and feel that they provide a unique and valuable means of viewing and interpreting the ISAAC worldwide data.



Maps

Phase One Worldmaps

Asthma Rhinoconjunctivitis Eczema Synthesis

The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. *Worldwide variation in the prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema ISAAC*. The Lancet 1998; 351(9111): 1225-32.

Figure 6: World map of 12-month prevalences of symptoms of at least two of three disorders Venn diagram shows overall proportions of children with symptoms of asthma, allergic rhinoconjunctivitis, or atopic eczema, or combinations of symptoms Lancet 1998; 351(9111): 1231



Asthma

The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. *Worldwide variations in the prevalence of asthma symptoms the International Study of Asthma and Allergies in Childhood (ISAAC)*. Eur Respir J 1998; 12(2): 315-335.

Figure 1 World map for the 13-14 yr old age group, showing the percentage of children who answered "yes" to the written question "Have you had wheezing or whistling in the chest in the last 12 months?" Eur Respir J 1998; 12(2): 321



Figure 3 World map for the 6-7 yr old age group, showing the percentage of parents who answered "yes" to the written question "Has your child had wheezing or whistling in the chest in the last 12 months?" Eur Respir J 1998; 12(2): 325



Figure 5 World map for the 13-14 yr old age group, for the video scene showing a person wheezing while at rest. The percentage of children who answered "yes" to the question "Has your breathing ever been like this in the last year?" is shown for each centre, with distinct colour symbols used for different prevalence ranges Eur Respir J 1998; 12(2): 328



Rhinoconjunctivitis

Strachan D, Sibbald B, Weiland S, Ait-Khaled N, Anabwani G, Anderson HR, Asher MI, Beasley R, Björkstén B, Burr M, Clayton T, Crane J, Ellwood P, Keil U, Lai C, Mallol J, Martinez F, Mitchell E, Montefort S, Pearce N, Robertson C, Shah J, Stewart A, von Mutius E, Williams H. *Worldwide Variations in prevalence of symptoms of allergic rhinoconjunctivitis in children the International Study of Asthma and Allergies in Childhood (ISAAC)*. Pediatr Allergy Immunol 1997; 8(4): 161-76.

Figure 5 Global map of the prevalence of rhinoconjunctivitis in 6-7-year-old children in ISAAC centres Pediatr Allergy Immunol 1997; 8(4): 166



Figure 6 Global map of the prevalence of rhinoconjunctivitis in 13-14-year-old children in ISAAC centres Pediatr Allergy Immunol 1997; 8(4): 166



Eczema

Williams H, Robertson C, Stewart A, Ait-Khaled N, Anabwani G, Anderson HR, Asher MI, Beasley R, Björkstén B, Burr M, Clayton T, Crane J, Ellwood P, Keil U, Lai C, Mallol J, Martinez F, Mitchell E, Montefort S, Pearce N, Shah J, Sibbald B, Strachan D, von Mutius E and Weiland S. *Worldwide variations in the prevalence of symptoms of atopic eczema in the international study of asthma and allergies in childhood*. J Allergy Clin Immunol 1999; 103(1 Pt 1): 125-38.

Figure 1 Global map of symptoms of atopic eczema in the last 12 months in 458,623 children aged 13 to 14 years in 153 centers in 56 countries J Allergy Clin Immunol 1999;103:127



Figure 2 Global map of symptoms of atopic eczema in the last 12 months in 256,410 children in aged 6 to 7 years in 90 centers in 37 countries J Allergy Clin Immunol 1999;103:127



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Figure S3 Prevalence of symptoms of severe asthma amongst wheezers in the past 12 months in 6-7 year age group Thorax 2009; 64: 476-483 online material



Rhinoconjunctivitis

Ait-Khaled N, Pearce N, Anderson HR, Ellwood P, Montefort S, Shah J, and the ISAAC Phase Three Study Group. *Global map of the prevalence of symptoms of rhinoconjunctivitis in children*. The International Study of Asthma and Allergies in Childhood (ISAAC) Phase Three. Allergy 2009; 64: 123–148

Figure 1 Map of prevalence of current symptoms of rhinoconjunctivitis, 13- to 14-year age group Allergy 2009; 64: 133



Figure 3 Map of prevalence of current symptoms of rhinoconjunctivitis, 6- to 7-year age group Allergy 2009; 64: 141



Eczema

Odhambo J, Williams H, Clayton T, Robertson C, Asher MI, and the ISAAC Phase Three Study group. *Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three*. J Allergy Clin Immunol. 2009;124(6):1251-8.

Figure 1 World maps showing prevalence of current symptoms of eczema for the age group 6 to 7 years (A) and 13 to 14 years (B). Each symbol represents a center. Allergy Clin Immunol 2009;124(6):1253



Fig 1A



Fig 1B

Figure E2 World maps showing prevalence of current symptoms of severe eczema for the age groups 6 to 7 years (A) and 13 to 14 years (B). Each symbol represents a center. J Allergy Clin Immunol 2009;124(6):1258 e4



Fig E2A

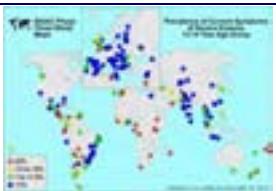


Fig E2B

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Graphs

Phase One Worldmap Papers

Asthma Rhinoconjunctivitis Eczema Synthesis

The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. *Worldwide variation in the prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema*. ISAAC. The Lancet 1998; 351(9111): 1225-32.

Figure 1: 12-month prevalences of self-reported asthma symptoms from written questionnaires

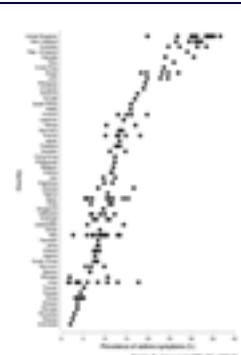
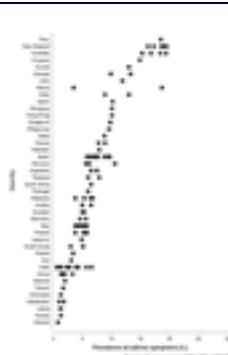


Figure 2: 12-month prevalences of asthma symptoms from video questionnaires





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Figure 3: 12-month prevalences of allergic rhinoconjunctivitis symptoms

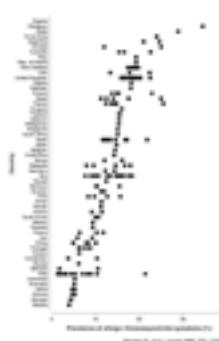


Figure 4: 12-month prevalences of atopic eczema symptoms

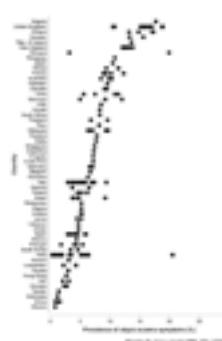
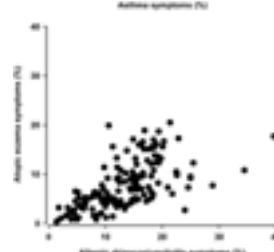
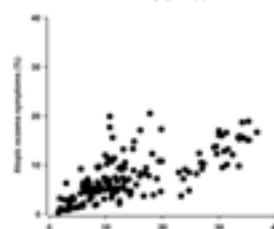
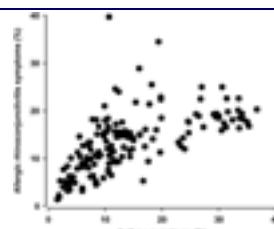


Figure 5: Scatter plots of 12-month prevalences of symptoms from written questionnaires



Bonney R, et al. Lancet 1996; 347: 1225-32

Asthma

The International Study of Asthma and Allergies in Childhood (ISAAC) Steering Committee. *Worldwide variations in the prevalence of asthma symptoms - the International Study of Asthma and Allergies in Childhood (ISAAC)*. Eur Respir J 1998; 12(2): 315-335.

Figure 2: Ranking of participating countries for the percentage who answered positively to the question "In the last 12 months, how often, on average, has your (child's) sleep been disturbed due to wheezing?: one or more nights per week" for: a) the 13-14 yr olds; and b) the 6-7 yr olds



Figure 4: Scatter plots for centres for the percentage of children who have had "wheezing or whistling in the chest in the last 12 months" The x-axis shows self-reported wheezing in 13-14 yr olds and the y-axis wheezing reported by parents in 6-7 yr olds. The line of identity is shown

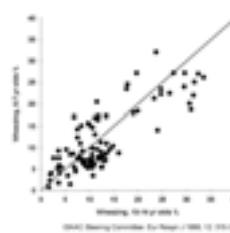
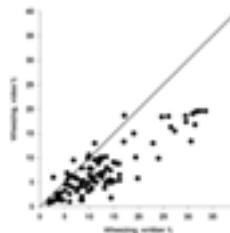


Figure 6: Scatter plots for the percentage of the 13-14 yr old age group responding "yes" for wheezing in the last year (video questionnaire) against "wheezing or whistling in the chest in the last 12 months" The x-axis shows wheezing for the written questionnaire and the y-axis wheezing for the video questionnaire. The line of identity is shown





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Rhinoconjunctivitis

Strachan D, Sibbald B, Weiland S, Aït-Khaled N, Anabwani G, Anderson HR, Asher MI, Beasley R, Björkstén B, Burr M, Clayton T, Crane J, Ellwood P, Keil U, Lai C, Mallol J, Martinez F, Mitchell E, Montefort S, Pearce N, Robertson C, Shah J, Stewart A, von Mutius E, Williams H. *Worldwide Variations in prevalence of symptoms of allergic rhinoconjunctivitis in children the International Study of Asthma and Allergies in Childhood (ISAAC)*. Pediatr Allergy Immunol 1997; 8(4): 161-76.

Figure 1: Scatter plot comparing prevalence of hay fever and prevalence of rhinoconjunctivitis across ISAAC centres in 6-7-year-olds

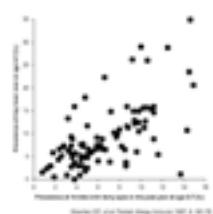


Figure 2: Scatter plot comparing prevalence of hay fever and prevalence of rhinoconjunctivitis across ISAAC centres in 13-14-year-olds

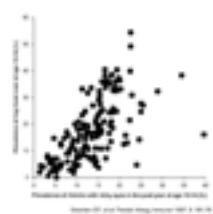


Figure 3: Scatter plot comparing the prevalence of rhinoconjunctivitis in each age group across ISAAC centres

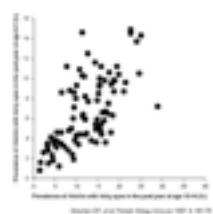
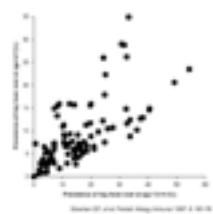


Figure 4: Scatter plot comparing the lifetime prevalence of hay fever in each age group across ISAAC centres

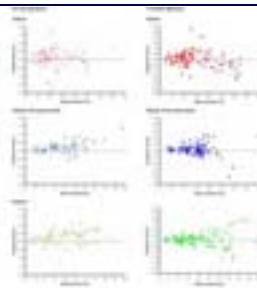


Phase Three Time Trends Papers

Asthma Rhinoconjunctivitis Eczema

Asher MI, Montefort S, Björkstén B, Lai CKW, Strachan DP, Weiland SK, Williams H, and the ISAAC Phase Three Study Group. *Worldwide time trends in the prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and eczema in childhood ISAAC Phases One and Three repeat multicountry cross-sectional surveys*. The Lancet 2006; 368(9537): 733-743.

Figure 1: Bland-Altman plots showing mean change in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and eczema per year for 6-7 year age-group and 13-14 year age-group versus mean prevalence of Phases One and Three for each centre



Asthma

Pearce N, Aït-Khaled N, Beasley R, Mallol J, Keil U, Mitchell E, Robertson C, and the ISAAC Phase Three Study Group. *Worldwide trends in the prevalence of asthma symptoms Phase III of the International Study of Asthma and Allergies in Childhood (ISAAC)*. Thorax 2007; 62(9): 758-66. view Article | view Editorial

Figure 1 Ranking plot showing the change per year in prevalence of current wheeze (wheeze in the past 12 months) in children aged 13-14 years for each centre by country, with countries ordered by their mean prevalence (for all centres combined) across phase I and phase III. The plot also shows the confidence interval about zero change for a given level of prevalence (ie, the mean prevalence across phases I and III) given a sample size of 3000 and no cluster sampling effect

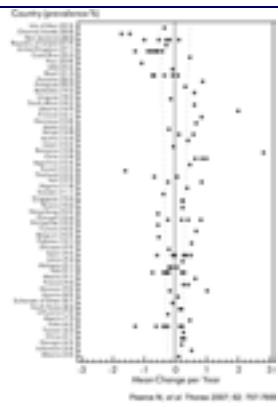


Figure 2 Ranking plot showing the change per year in prevalence of >4 attacks of wheezing in the previous 12 months in children aged 13-14 years for each centre by country, with countries ordered by their average prevalence (for all centres combined) across phase I and phase III. The plot also shows the confidence interval about zero change for a given level of prevalence (ie, the mean prevalence across phases I and III) given a sample size of 3000 and no cluster sampling effect



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Figure 3 Ranking plot showing the change per year in the lifetime prevalence of asthma ("asthma ever") in children aged 13–14 years for each centre by country, with countries ordered by their mean prevalence (for all centres combined) across phase I and phase III. The plot also shows the confidence interval about zero change for a given level of prevalence (ie, the mean prevalence across phases I and III) given a sample size of 3000 and no cluster sampling effect



Figure 4 Ranking plot showing the change per year in prevalence of current wheeze (wheeze in the past 12 months) using the video questionnaire in children aged 13–14 years for each centre by country, with countries ordered by their mean prevalence (for all centres combined) across phase I and phase III. The plot also shows the confidence interval about zero change for a given level of prevalence (ie, the mean prevalence across phases I and III) given a sample size of 3000 and no cluster sampling effect

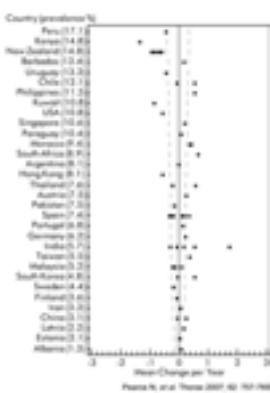


Figure 5 Ranking plot showing the change per year in the prevalence of current wheeze (wheeze in the past 12 months) in children aged 6–7 years for each centre by country, with countries ordered by their mean prevalence (for all centres combined) across phase I and phase III. The plot also shows the confidence interval about zero change for a given level of prevalence (ie, the mean prevalence across phases I and III) given a sample size of 3000 and no cluster sampling effect

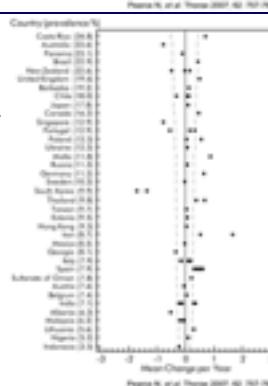


Figure 6 Ranking plot showing the change per year in prevalence of >4 attacks of wheezing in the previous 12 months in children aged 6–7 years for each centre by country, with countries ordered by their mean prevalence (for all centres combined) across phase I and phase III. The plot also shows the confidence interval about zero change for a given level of prevalence (ie, the mean prevalence across phases I and III) given a sample size of 3000 and no cluster sampling effect

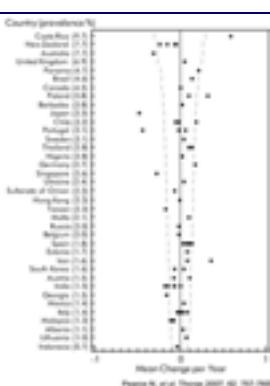
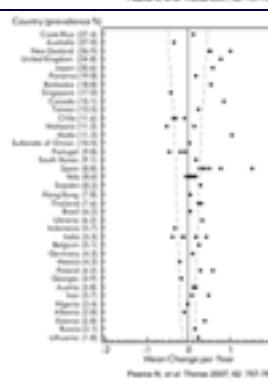


Figure 7 Ranking plot showing the change per year in the lifetime prevalence of asthma ("asthma ever") in children aged 6–7 years for each centre by country, with countries ordered by their mean prevalence (for all centres combined) across phase I and phase III. The plot also shows the confidence interval about zero change for a given level of prevalence (ie, the mean prevalence across phases I and III) given a sample size of 3000 and no cluster sampling effect



Rhinoconjunctivitis

Björkstén B, Clayton T, Ellwood P, Stewart A, Strachan D, and the ISAAC Phase Three Study Group. *Worldwide time trends for symptoms of rhinitis and conjunctivitis Phase III of the International Study of Asthma and Allergies in Childhood*. Pediatr Allergy Immunol 2008; 19(2): 110–24. view full article

Figure 1: Ranking plot showing the change per year of symptoms of rhinitis in 13- to 14-yr-old children for each centre by country, with countries ordered by their average prevalence (for all centres combined) across Phase I and Phase III. The plot also shows the confidence interval about zero change for a given level of prevalence, given a sample size of at least 3000 and no cluster sampling effect

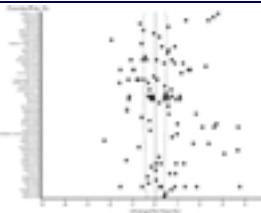
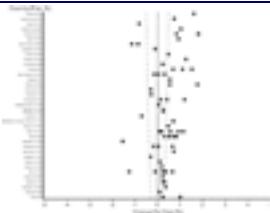


Figure 2: Ranking plot showing the change per year of symptoms of rhinitis in 6- to 7-yr-old children for each centre by country, with countries ordered by their average prevalence (for all centres combined) across Phase I and Phase III (c f Fig. 1)





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Figure 3: Ranking plot showing the change per year of symptoms of rhinoconjunctivitis (affirmative responses to both the questions 'In the past 12 months, have you had a problem with sneezing or a runny or blocked nose, when you DID NOT have a cold or 'the flu'?' and 'In the past 12 months, has this nose problem been accompanied by itchy-watery eyes?') in 13- to 14-yr-old children for each centre by country, with countries ordered by their average prevalence (for all centres combined) across Phase I and Phase III (c f Fig. 1)

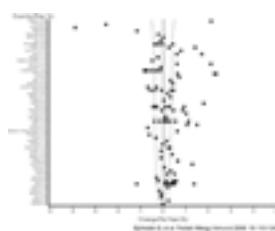


Figure 4: Ranking plot showing the change per year of symptoms of rhinoconjunctivitis (affirmative responses to both the questions 'In the past 12 months, have you had a problem with sneezing or a runny or blocked nose, when you DID NOT have a cold or 'the flu'?' and 'In the past 12 months, has this nose problem been accompanied by itchy-watery eyes?') in 6- to 7- yr-old children for each centre by country, with countries ordered by their average prevalence (for all centres combined) across Phase I and Phase III (c f Fig. 1)

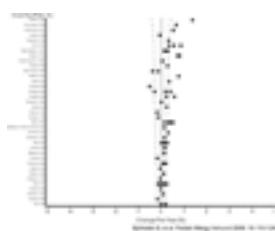
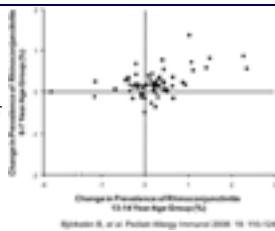


Figure 5: Scatter plot showing the change per year of symptoms of rhinoconjunctivitis for the 13–14 yr age group and the 6–7 yr age group for centres which included both age groups



Eczema

Williams H, Stewart A, von Mutius E, Cookson B, Anderson HR and the International Study of Asthma and Allergies in Childhood (ISAAC) Phase One and Three Study groups. *Is eczema really on the increase worldwide?* J Allergy Clin Immunol 2008; 121(4): 947-54.

Figure 1 Ranking plots depicting annual change in eczema prevalence (defined as symptoms of flexural eczema in the last year) between the 2 ISAAC surveys on the horizontal axis against average prevalence between the 2 surveys on the vertical axis A, Children 13 to 14 years old B, Children 6 to 7 years old Countries are ordered by ascending average prevalence The dashed lines denote 95% CIs about zero change for a given prevalence level, given a sample size of 3000 and no cluster sampling effect Red diamond points denote countries that used English-language questionnaires

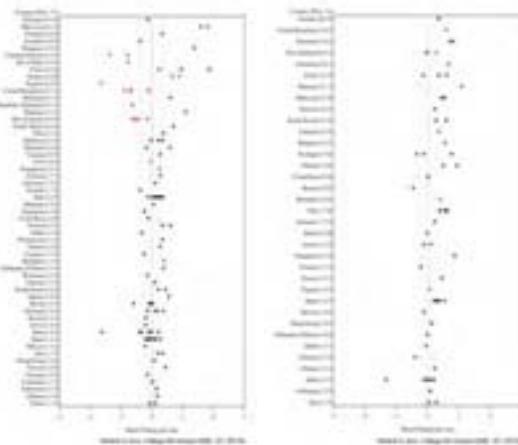


Fig.1A

Fig.1B

Figure E1 Ranking plots of changes in symptoms of severe eczema for 13- and 14-year-olds ordered by average prevalence

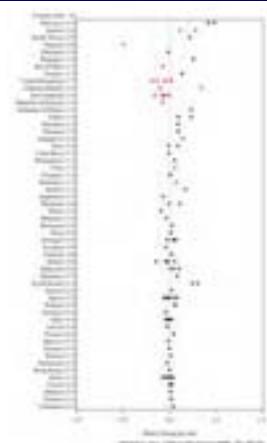
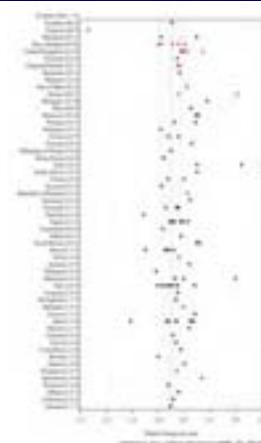


Figure E2 Ranking plots of changes in symptoms of reporting the disease label of eczema for 13- and 14-year-olds ordered by average prevalence



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Figure E3 Ranking plots of changes in symptoms of severe eczema for 6- and 7-year olds ordered by average prevalence

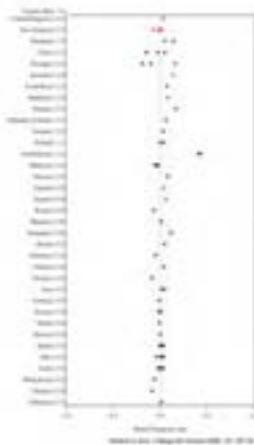


Figure E4 Ranking plots of changes in symptoms of reporting the disease label of eczema for 6- and 7-year olds ordered by average prevalence



Phase Three Worldmap Papers

Rhinoconjunctivitis

Ait-Khaled N, Pearce N, Anderson HR, Ellwood P, Montefort S, Shah J, and the ISAAC Phase Three Study Group. *Global map of the prevalence of symptoms of rhinoconjunctivitis in children: The International Study of Asthma and Allergies in Childhood (ISAAC) Phase Three*. Allergy 2009; 64: 123–148

Figure 2 Prevalence of current symptoms of rhinoconjunctivitis, 13- to 14-year age group Countries are ordered by average prevalence



Figure 4 Prevalence of current symptoms of rhinoconjunctivitis, 6- to 7-year age group Countries are ordered by average prevalence

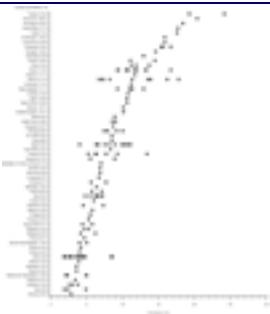
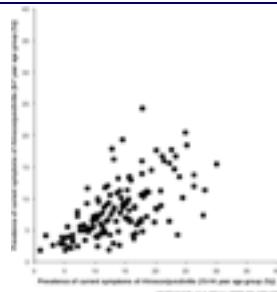


Figure 5 Scatter plot of prevalence of current symptoms of rhinoconjunctivitis, both age groups



Eczema

Odhiambo J, Williams H, Clayton T, Robertson C, Asher MI, and the ISAAC Phase Three Study group. *Global variations in prevalence of eczema symptoms in children from ISAAC Phase Three*. J Allergy Clin Immunol. 2009;124(6):1251-8.

FIG 2 Ranked prevalence plots of current symptoms of eczema for the age group 6 to 7 years (A) and 13 to 14 years (B). Each symbol represents a center. Countries are ordered by average prevalence

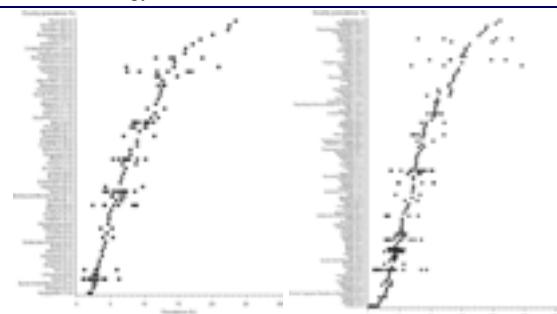


Fig 2A

Fig 2B



FIG E3 Ranked prevalence plots of current symptoms of eczema for the age groups 6 to 7 years (A) and 13 to 14 years (B). Each symbol represents a center. Regions are ordered by average prevalence.

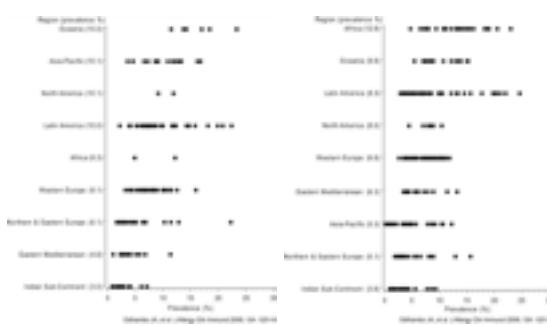


Fig.E3A

Fig.E3B

FIG E4 Ranked prevalence plots of current symptoms of severe eczema for the age groups 6 to 7 years (A) and 13 to 14 years (B). Each symbol represents a center. Countries are ordered by average prevalence.

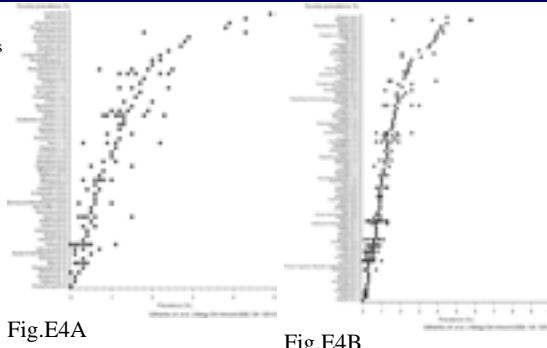


Fig.E4A

Fig.E4B

FIG E5 Ranked prevalence plots of lifetime reported "eczema" for the age groups 6 to 7 years (A) and 13 to 14 years (B). Each symbol represents a center. Countries are ordered by average prevalence.

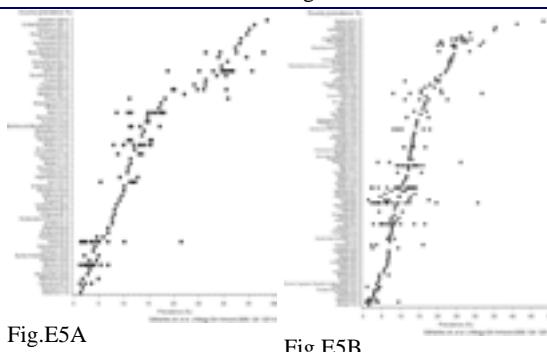


Fig.E5A

Fig.E5B

FIG E6 Scatter plots illustrating prevalence by sex for current symptoms of eczema (A), current symptoms of severe eczema (B), and lifetime reported "eczema" (C) for the age group 6 to 7 years, and current symptoms of eczema (D), current symptoms of severe eczema (E), and lifetime reported "eczema" (F) for the age group 13 to 14 years. Each symbol represents a center. The line of equality is shown on each plot.

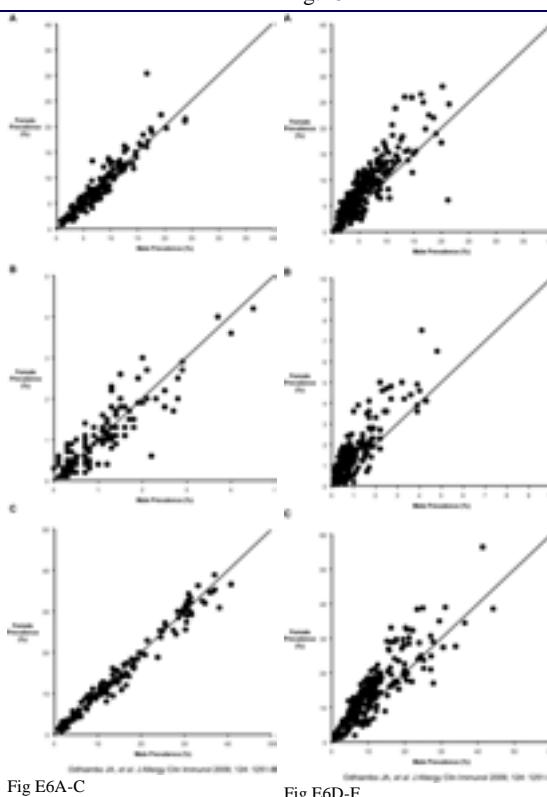


Fig E6A-C

Fig E6D-F

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The full size versions of all these maps and graphs are available at: <http://isaac.auckland.ac.nz/study/methods/maps.php>

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ISAAC Centres

Over three hundred centres in 105 countries participated in the three phases of ISAAC. These centres are listed by region, country then centre and Phase showing Principal Investigator and number of children.

All ISAAC centres by region

Country	Centre	Principal Investigator	Number 13-14 years	Number 6-7 years
Africa				
Algeria				
	Algiers - Phase One	Dr A Bezzaoucha	1173	
	West Algiers - Phase One	professor Badia Benhabylès	2024	
	Wilaya of Algiers - Phase Three	Professor Badia Benhabylès	4203	
		Country Total	7400	
Cameroon				
	Yaounde - Phase Three	Professor Christopher Kuaban	2983	
		Country Total	2983	
Congo				
	Brazzaville - Phase Three	Professor Joseph M'Boussa	1012	
		Country Total	1012	
Cote d'Ivoire				
	Urban Cote d Ivoire - Phase Three	Dr Bernard Ngoran Koffi	3342	
		Country Total	3342	
Ethiopia				
	Addis Ababa - Phase One	Associate Professor Kibrebeal Melaku	2951	
	Addis Ababa - Phase Three	Associate Professor Kibrebeal Melaku	3195	
	Jima - Phase One	Professor Berhane Seyoum	3027	
		Country Total	9173	
Gabon				
	Port-Gentil - Phase Three	Dr Isabelle Ekoume Hypolite	3166	
		Country Total	3166	
Ghana				
	Kintampo - Phase Two	Dr Emmanuel OD Addo-Yobo	1354	
		Country Total	1354	
Kenya				
	Eldoret - Phase One	Dr Fabian O Esamai	3024	
	Eldoret - Phase Three	Dr Fabian O Esamai	3289	
	Nairobi - Phase One	Dr Joseph A Odhiambo	3243	
	Nairobi - Phase Three	Dr Lucy Ng'ang'a	3023	
		Country Total	12579	
Morocco				
	Benslimane - Phase Three	Professor Zoubida Bouayad	1008	
	Boulmene - Phase Three	Professor Zoubida Bouayad	1254	
	Casablanca - Phase One	Professor Zoubida Bouayad	3183	
	Casablanca - Phase Three	Professor Zoubida Bouayad	1777	
	Marrakech - Phase One	Professor Zoubida Bouayad	2900	
	Marrakech - Phase Three	Professor Zoubida Bouayad	1689	
	Rabat - Phase One	Professor Abedelkrim Bennis	3276	
		Country Total	15087	
Nigeria				
	Ibadan - Phase One	Professor Babatunde O Onadeko	3057	1696
	Ibadan - Phase Three	Professor Babatunde O Onadeko	3142	2396
		Country Total	6199	4092
République de Guinée				
	Conakry - Phase Three	Professeur Oumou Younoussa Sow	3115	
		Country Total	3115	
Republique Democratique du Congo				
	Kinshasa - Phase Three	Prof Dr Jean-Marie Kayembe	2930	
		Country Total	2930	
Reunion Island				
	Reunion Island - Phase Three	Dr Isabella Annesi-Maesano	2362	
		Country Total	2362	
South Africa				
	Cape Town - Phase One	Dr Hugo Nelson	5173	
	Cape Town - Phase Three	Professor Heather J Zar	5037	
	Polokwane - Phase Three	Professor Kuku Voyi	4660	3480
		Country Total	14870	3480



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Country	Centre	Principal Investigator	Number 13-14 years	Number 6-7 years
Sudan	Khartoum - Phase Three	Professor Omer Abdel Aziz Musa	2896	
		Country Total	2896	
Togo	Lome - Phase Three	Professor Osseni Tidjani	3090	
		Country Total	3090	
Tunisia	Grand Tunis - Phase Three	Professeur Faouzia Khaldi	6119	
	Sousse - Phase One	Professeur Mohamed Jerray	3020	
	Sousse - Phase Three	Professeur Mohamed Jerray	3042	
		Country Total	12181	
		Regional Total	103739	7572
Asia-Pacific				
China	Beijing - Phase One	Professor Yu-Zhi Chen	4167	
	Beijing - Phase Two	Professor Yu-Zhi Chen	4214	
	Beijing - Phase Three	Professor Yu-Zhi Chen	3530	
	Chongqing - Phase One	Professor Kun-Hua Chen	4296	
	Guangzhou - Phase One	Professor Nan-Shan Zhong	3855	
	Guangzhou - Phase Two	Professor Nan-Shan Zhong	3510	
	Guangzhou - Phase Three	Professor Nan-Shan Zhong	3514	
	Shanghai - Phase One	Dr Mao Bao-Shan	3483	
	Tibet - Phase Three	Assistant Professor Osamu Kunii	2878	
	Tong Zhou - Phase Three	Professor Yu-Zhi Chen	3542	
	Wulumuqi - Phase One	Professor Man-Lin Xiao	3207	
	Wulumuqi(9) - Phase Three	Dr Qiao Li Pan	3884	
		Country Total	44080	
Indonesia	Bali - Phase Three	Professor Putu Konthen	2569	
	Bandung - Phase One	Prof Dr Karnen Baratawidjaja	2249	1390
	Bandung - Phase Three	Prof Dr Cissy B Kartasasmita	2826	2503
	Semarang - Phase Three	Dr Winarto Suprihati	2435	
		Country Total	10079	3893
Japan	Fukuoka - Phase One	Professor Sankei Nishima	2827	2896
	Fukuoka - Phase Three	Dr Hiroshi Odajima	2520	2958
	Tochigi - Phase Three	Professor Makino Sohei	4466	
		Country Total	9813	5854
Malaysia	Alor Setar - Phase One	Dr Keng Hwang Teh	3298	2978
	Alor Setar - Phase Three	Dr Keng Hwang Teh	2941	3786
	Ipooh - Phase One	Dr Lim Wee Yeong	3313	2506
	Klang Valley - Phase One	Associate Professor Jessie de Bruyne	6079	3109
	Klang Valley - Phase Three	Associate Professor Jessie de Bruyne	3025	3044
	Kota Bharu - Phase One	Associate Professor Ban Seng Quah	3113	3819
	Kota Bharu - Phase Three	Associate Professor Ban Seng Quah	2989	3157
	Muar - Phase One	Dr Kok Wai Chum	2833	2873
		Country Total	27591	25272
Philippines	Metro Manila - Phase Three	Professor Felicidad Cua-Lim	3658	3698
	Metro Manilla - Phase One	Professor Felicidad Cua-Lim	3207	3558
		Country Total	6865	7256
SAR China	Hong Kong - Phase Two	Dr Christopher Lai	3011	
	Hong Kong 13-14 - Phase One	Dr Christopher Lai	4666	
	Hong Kong 13-14 - Phase Three	Professor Gary Wong	3321	
	Hong Kong 6-7 - Phase One	Professor Yu Lung Lau		3618
	Hong Kong 6-7 - Phase Three	Professor Yu Lung Lau		4448
		Country Total	10998	8066
Singapore	Singapore - Phase One	Professor Bee-Wah Lee	4206	2353
	Singapore - Phase Three	Associate Professor Daniel Yam Thiam Goh	4217	5389
		Country Total	8423	7742

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South Korea				
	Provincial Korea - Phase One	Dr Sang-II Lee	6990	5527
	Provincial Korea - Phase Three	Professor Ha-Baik Lee	7375	4258
	Seoul - Phase One	Dr Sang-II Lee	2993	2582
	Seoul - Phase Three	Professor Ha-Baik Lee	2888	1760
	Country Total		20246	14127
Taiwan				
	Taipei - Phase One	Professor Kue-Hsiung Hsieh DECEASED	11400	4806
	Taipei - Phase Three	Dr Jing-Long Huang	6378	4832
	Taoyuan - Phase Three	Dr Chun-Chieh Kao	3190	3293
	Country Total		20968	12931
Thailand				
	Bangkok - Phase One	Dr Pakit Vichyanond	3713	3629
	Bangkok - Phase Three	Dr Pakit Vichyanond	4669	4209
	Chanthaburi - Phase Three	Dr Thanong Prasarnphanich	2901	3321
	Chiang Mai - Phase One	Associate Professor Muthita Trakultivakorn	3927	3828
	Chiang Mai - Phase Three	Associate Professor Muthita Trakultivakorn	3538	3106
	Chiangrai - Phase Three	Dr Rawee Nettagul	1809	1677
	Khon Kaen - Phase Three	Associate Professor Jamaree Teeratakulpisarn	3410	2658
	Nakorn Pathom - Phase Three	Dr Aree Kongpanichkul	6975	1821
	Country Total		30942	24249
Vietnam				
	Ho Chi Minh City - Phase Three	Dr Baïch Vaén Cam	4240	3879
	Country Total		4240	3879
	Regional Total		194245	113269

Eastern Mediterranean

Egypt	Cairo - Phase Three	Dr Maggie Louis Naguib	3047	
	Country Total		3047	
Iran				
	Birjand - Phase Three	Dr Mohammed-Reza Masjedi	2829	2693
	Rasht - Phase One	Dr Mohammed-Reza Masjedi	3182	3013
	Rasht - Phase Three	Dr Mohammed-Reza Masjedi	3004	3057
	Tehran - Phase One	Dr Mohammed-Reza Masjedi	2691	2456
	Tehran - Phase Three	Dr Mohammed-Reza Masjedi	3119	3008
	Zanjan - Phase Three	Dr Mohammed-Reza Masjedi	2805	2777
	Country Total		17630	17004
Jordon				
	Amman - Phase Three	Dr Faisal Abu-Ekteish	2447	2598
	Country Total		2447	2598
Kuwait				
	Kuwait - Phase One	Dr Jawad A al-Momen	1056	
	Kuwait - Phase Three	Dr Jawad A al-Momen	2882	
	Country Total		3938	
Lebanon				
	Beirut - Phase One	Dr Fuad M Ramadan	2993	
	Country Total		2993	
Malta				
	Malta - Phase One	Professor Stephen Montefort	4184	3493
	Malta - Phase Three	Professor Stephen Montefort	4136	3795
	Country Total		8320	7288
Pakistan				
	Islamabad - Phase Three	Dr Mohammad Osman Yusuf	4066	3966
	Karachi - Phase One	Dr Zulfiqar A Bhutta	1829	
	Karachi - Phase Three	Dr Naseeruddin Mahmood	2999	2113
	Country Total		8894	6079
Palestine				
	North Gaza - Phase Three	Mr Shaban Mortaja	3627	3575
	Ramallah - Phase Two	Dr Nuha El Sharif	2304	
	Ramallah - Phase Three	Dr Nuha El Sharif	3929	3754
	Country Total		9860	7329



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Country	Centre	Principal Investigator	Number 13-14 years	Number 6-7 years
Sultanate Of Oman				
	Al-Khod - Phase One	Associate Professor Bazdawi Al-Riyami	3174	3891
	Al-Khod - Phase Three	Associate Professor Omar Al-Rawas	3747	4130
		Country Total	6921	8021
Syria				
	Aleppo - Phase Three	Dr Khaldoun Tabbah	3063	
	Lattakia - Phase Three	Professor Yousser Mohammad	3010	2373
	Tartous - Phase Three	Dr Samira Mohammad	2995	2734
		Country Total	9068	5107
		Regional Total	73118	53426
Indian Sub-Continent				
India				
	Akola - Phase One	Dr Ramesh M Maheshwari	2138	2030
	Bangalore - Phase Three	Professor Sylvan Rego	3440	2959
	Bikaner - Phase Three	Professor Mohammed Sabir	3059	
	Bombay (16) - Phase One	Dr Mohan Keshav Joshi	4225	3967
	Bombay (17) - Phase One	Dr Uday Anath Pai	2226	1148
	Bombay (18) - Phase One	Dr Kalyani Raghavan	3178	3568
	Borivali - Phase One	Dr Vasant A Khatav	3878	1672
	Borivali - Phase Three	Dr Vasant A Khatav	1004	900
	Chandigarh - Phase One	Professor Lata Kumar	3139	2891
	Chandigarh - Phase Three	Dr Meenu Singh	3122	
	Chennai (3) - Phase Three	Dr Gururaj Setty	2181	1116
	Davangere - Phase Three	Dr P S Suresh Babu	2945	3043
	Jaipur - Phase Three	Professor Virendra Singh	3607	2545
	Jodhpur - Phase One	Dr K C Jain	1094	1104
	Jodhpur - Phase Three	Dr K C Jain	2341	2114
	Kottayam - Phase One	Dr T U Sukumaran	2047	2156
	Kottayam - Phase Three	Dr T U Sukumaran	3685	2619
	Lucknow - Phase Three	Professor Shally Awasthi	3000	3000
	Ludhiana - Phase Three	Professor Jugesh Chhatwal	3108	3225
	Madras (2) - Phase One	Dr Sarela Rajajee	1903	1466
	Madras (3) - Phase One	Dr N Somu	3086	2491
	Mumbai (16) - Phase Two	Dr Jayant Shah	1658	
	Mumbai (16) - Phase Three	Dr Mohan Keshav Joshi	1881	2865
	Mumbai (18) - Phase Three	Dr Asha Vijaykumar Pherwani	2982	4862
	Mumbai (29) - Phase Three	Dr Sumant Narayan Mantri	1829	1833
	Nagpur - Phase Three	Dr Sundeep Salvi	4150	4294
	New Delhi (7) - Phase One	Dr Kamlesh Chopra	3026	2938
	New Delhi (7) - Phase Three	Professor S K Sharma	3469	3706
	Neyveli - Phase One	Dr G Jayaraj	3281	1498
	Orissa - Phase One	Dr Pradeep Kumar Kar	1248	1520
	Pimpri - Phase Three	Dr Sundeep Salvi	3128	3838
	Pune - Phase One	Dr Neeta Milind Hanumante	2702	3248
	Pune - Phase Three	Dr Neeta Milind Hanumante	1983	2711
	Rasta Peth - Phase Three	Associate Professor Sheila Bhave	3065	3147
		Country Total	92808	80474
Sri Lanka				
	Sri Lanka - Phase Three	Dr Kirthi D Gunasekera	3717	3345
		Country Total	3717	3345
		Regional Total	96525	83819
Latin America				
Argentina				
	Buenos Aires - Phase One	Dr Natalio Salmun	2996	3005
	Córdoba - Phase One	Dr Carlos E Baena-Cagnani	3042	
	Córdoba - Phase Three	Dr Carlos E Baena-Cagnani	3445	982
	Neuquén - Phase Three	Professor Gustavo Enrique Zabert	3172	1930
	Rosario - Phase One	Dr Natalio Salmun	3008	3007
	Rosario City - Phase Three	Prof Dr Carlos D Crisci	3099	2952
	Salta - Phase Three	Dr Maximiliano Gómez	3000	
		Country Total	21762	11876

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Bolivia	Santa Cruz - Phase Three	Dr Rosario Pinto-Vargas	3257	
		Country Total	3257	
Brasil	Aracaju - Phase Three	Dr Jackeline Machado Motta Franco	3043	2443
	Belo Horizonte - Phase Three	Associate Professor Paulo Augusto M Camargos	3088	
	Brasília - Phase Three	Dr Wellington G Borges	3009	
	Caruaru - Phase Three	Assistant Professor Almerinda Silva	3026	
	Curitiba - Phase One	Professor Nelson Rosário	3004	
	Curitiba - Phase Three	Professor Nelson Rosário	3628	
	Feira de Santana - Phase Three	Associate Professor Leda de Freitas Souza	1732	440
	Itajaí - Phase Three	Dr Cláudia dos Santos Dutra Bernhardt	2737	1511
	Maceió - Phase Three	Professor Francisco José Passos	2746	1990
	Manaus Amazonas - Phase Three	Dra Maria do Socorro Cardoso	3009	3011
	Nova Iguaçu - Phase Three	Associate Professor Antônio José Ledo Aves Cunha	3185	3249
	Passo Fundo - Phase Three	Dr Arnaldo C Porto Neto	2949	
	Porto Alegre - Phase One	Professor Renato Stein	3195	2846
	Porto Alegre - Phase Three	Dr Gilberto B Fischer	3007	
	Recife - Phase One	Dr Patricia Gomes M Bezerra	3086	1410
	Recife - Phase Three	Dr Murilo de Britto	2865	
	Rural Santa Maria - Phase Three	Professor Dirceu Solé	3057	
	Salvador - Phase One	Associate Professor Leda de Freitas Souza	3162	
	Salvador - Phase Three	Associate Professor Leda de Freitas Souza	3020	1069
	Santa Maria - Phase Three	Professor Dirceu Solé	3065	
	Santo Andre - Phase Three	Associate Professor Neusa Wandalsen	3232	2167
	São Paulo - Phase One	Professor Dirceu Solé	3007	3005
	São Paulo - Phase Three	Professor Dirceu Solé	3161	3047
	São Paulo West - Phase Three	Dr Antonio Carlos Pastorino	3181	3312
	Uruguaiana - Phase Two	Professor Renato Stein	1971	
	Vitória da Conquista - Phase Three	Associate Professor Leda de Freitas Souza	1679	399
		Country Total	75844	29899
Chile	Calama - Phase Three	Dr Luis Alberto Vera Benavides	1618	
	Central Santiago - Phase One	Dr Ignacio Sanchez	2944	1458
	Chiloe - Phase Three	Dra Amanda Contreras	3000	
	Punta Arenas - Phase One	Dr Lidia Amarales	3482	3060
	Punta Arenas - Phase Three	Dr Lidia Amarales	3044	3052
	South Santiago - Phase One	Dra Eliana Cortez	3051	3182
	South Santiago - Phase Three	Dr Pedro Aguilar	3026	3075
	Valdivia - Phase One	Dr Mario A Calvo	3231	3138
	Valdivia - Phase Three	Dr Mario A Calvo	3105	3183
		Country Total	26501	20148
Colombia	Barranquilla - Phase Three	Dr Alfonso M Cepeda	3204	3209
	Bogotá - Phase Three	Dr Gustavo Aristizábal	3830	3256
	Cali - Phase Three	Dr Gustavo A Ordoñez	3100	3005
		Country Total	10134	9470
Costa Rica	Costa Rica - Phase One	Dr Manuel E Soto-Quirós	3200	2942
	Costa Rica - Phase Three	Dr Manuel E Soto-Quirós	2436	3234
		Country Total	5636	6176
Cuba	La Habana - Phase Three	Dra Patricia Varona Pérez	3026	1803
		Country Total	3026	1803
Ecuador	Guayaquil - Phase Three	Dr César Bustos	3082	
	Pichincha - Phase Two	Dr Phillip Cooper	894	
	Quito - Phase Three	Dr Sergio Barba	3014	3055
		Country Total	6990	3055
El Salvador	San Salvador - Phase Three	Dr Margarita Figueroa Colorado	3260	1365
		Country Total	3260	1365
Honduras	San Pedro Sula - Phase Three	Dr Agustin Bueso-Engelhardt	2675	1907
		Country Total	2675	1907

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Mexico				
	Ciudad de México (1) - Phase Three	Dra Blanca E Del-Río-Navarro	3891	3205
	Ciudad de México (3) - Phase Three	Dra Mercedes Barragán-Mejueiro	3474	3493
	Ciudad de México (4) - Phase Three	Dra Nelly Ramírez-Chanona	2662	895
	Ciudad Victoria - Phase Three	Dr Roberto García-Almaráz	3122	2603
	Cuernavaca - Phase One	Professor Isabelle Romieu	3102	3097
	Cuernavaca - Phase Three	Professor Isabelle Romieu	1431	2579
	Mérida - Phase Three	Dr Manuel Baeza-Bacab	3019	2896
	Mexicali Valley - Phase Three	Dr J Valente Merida-Palacio	2988	2568
	Monterrey - Phase Three	Dr Sandra Nora González-Díaz	3006	3030
	Toluca - Phase Three	Dr Francisco J Linares-Zapién	3021	3235
	Villahermosa - Phase Three	Dr Sergio Romero-Tapia	3109	2678
	Country Total		32825	30279
Nicaragua				
	Managua - Phase Three	Dr José Félix Sánchez	3263	3286
	Country Total		3263	3286
Panamá				
	David-Panamá - Phase One	Dr Gherson Cukier	2885	3043
	David-Panamá - Phase Three	Dr Gherson Cukier	3183	2942
	Country Total		6068	5985
Paraguay				
	Asunción - Phase One	Dr Jaime A Guggiari-Chase	2966	
	Asunción - Phase Three	Dr Jaime A Guggiari-Chase	3000	
	Country Total		5966	
Peru				
	Lima - Phase One	Dr Pascual Chiarella	3158	
	Lima - Phase Three	Dr Pascual Chiarella	3022	2244
	Country Total		6180	2244
Uruguay				
	Montevideo - Phase One	Dra Dolores Holgado	3072	3071
	Montevideo - Phase Three	Dra Dolores Holgado	3177	
	Paysandú - Phase Three	Dra Marfa Cristina Lapides	1738	1512
	Country Total		7987	4583
Venezuela				
	Caracas - Phase Three	Dr Oscar Aldrey	3000	2999
	Country Total		3000	2999
	Regional Total		224374	135075

North America

Barbados				
	Barbados - Phase One	Dr Malcolm E Howitt	3533	3289
	Barbados - Phase Three	Dr Malcolm E Howitt	2498	2759
	Country Total		6031	6048
Canada				
	Hamilton - Phase One	Professor Malcolm R Sears	3337	
	Saskatoon - Phase One	Dr Brett Taylor	1901	2418
	Saskatoon - Phase Three	Professor Donna Rennie	1200	1255
	Vancouver - Phase Three	Professor Alex Ferguson	2853	
	Country Total		5954	7010
Trinidad and Tobago				
	St Augustine - Phase Three	Dr Michelle A Monteil	3512	2611
	Tobago - Phase Three	Dr Michelle A Monteil	1464	550
	Country Total		4976	3161
USA				
	Chapel Hill - Phase Three	Dr Karin Yeatts	128443	
	Chicago (3) - Phase One	Professor Victoria Persky	1422	
	Chicago (4) - Phase One	Professor Victoria Persky	3756	
	Sarasota - Phase Three	Dr Hugh H Windom	1245	
	Seattle - Phase One	Professor Gregory J Redding	2330	
	Seattle - Phase Three	Professor Gregory J Redding	2422	
	Country Total		139618	
	Regional Total		156579	16219

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Northern and Eastern Europe				
Albania	Tiranë - Phase One	Professor Alfred Priftanji	2957	2981
	Tiranë - Phase Two	Professor Alfred Priftanji	1052	
	Tiranë - Phase Three	Professor Alfred Priftanji	2983	2896
	Country Total		6992	5877
Bulgaria	Sofia - Phase Three	Dr Todor Popov	1926	1181
	Country Total		1926	1181
Croatia	Rijeka - Phase Three	Dr Kristina Lah Tomulic	2194	1633
	Country Total		2194	1633
Estonia	Narva - Phase One	Dr Mall-Anne Rüükjärv	1424	
	Tallinn - Phase One	Dr Mall-Anne Rüükjärv	3560	3070
	Tallinn - Phase Two	Dr Mall-Anne Rüükjärv	971	
	Tallinn - Phase Three	Dr Mall-Anne Rüükjärv	3603	2385
	Country Total		9558	5455
Finland	Helsinki - Phase One	Dr Merja Kajosaari	2855	
	Kuopio County - Phase One	Dr Juha Pekkanen	2878	
	Kuopio County - Phase Three	Dr Juha Pekkanen	3051	
	Lappland Area - Phase One	Dr Leena Soininen	3077	
	Turku and Pori County - Phase One	Dr Turku Antti Koivikko	3085	
	Country Total		14946	
Georgia	Kutaisi - Phase One	Dr Nino Khetsuriani	3297	3356
	Kutaisi - Phase Three	Dr Maia Gotua	2650	2666
	Tbilisi - Phase One	Professor Amiran Gamkrelidze	3449	3414
	Tbilisi - Phase Two	Dr Maia Gotua	1012	
	Country Total		10408	9436
Hungary	Svábhegy - Phase Three	Dr Györgyi Zsigmond	4219	2451
	Szeged - Phase Three	Dr Zoltán Novák	2899	
	Country Total		7118	2451
Iceland	Reykjavik - Phase Two	Dr Michael Clausen	937	
	Country Total		937	
Kyrgyzstan	Balykchi - Phase Three	Dr Imanalieva Cholpon	1382	729
	Bishkek - Phase Three	Dr Imanalieva Cholpon	5048	3146
	Jalalabat - Phase Three	Professor Shairbek Sulaimanov	2404	1664
	Country Total		8834	5539
Latvia	Riga - Phase One	Dr Marcis Leja	3004	3003
	Riga - Phase Two	Dr Vija Svabe	908	
	Riga - Phase Three	Dr Vija Svabe	1283	
	Rural Latvia - Phase One	Dr Marcis Leja	3145	
	Country Total		8340	3003
Lithuania	Kaunas - Phase One	Professor Jurgis Bojarskas	1600	1878
	Kaunas - Phase Three	Associate Professor Jolanta Kudzyte	2723	2772
	Panevezys - Phase Three	Professor Jurgis Bojarskas	1187	1176
	Siauliai - Phase Three	Professor Jurgis Bojarskas	3516	1341
	Country Total		9026	7167
Poland	Krakow (1993) - Phase One	Associate Professor Grzegorz Lis	3750	
	Kraków (1995) - Phase One	Associate Professor Grzegorz Lis	2786	2264
	Kraków (1995) - Phase Three	Associate Professor Grzegorz Lis	2545	2497
	Poznan - Phase One	Associate Professor Anna Bréborowicz	3631	2710
	Poznan - Phase Three	Associate Professor Anna Bréborowicz	1875	1999
	Country Total		14587	9470



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Country	Centre	Principal Investigator	Number 13-14 years	Number 6-7 years
Republic of Macedonia				
	Skopje - Phase Three	Assoc Prof Emilia Vlaski	3026	
		Country Total	3026	
Romania				
	Cluj - Phase One	Professor Diana Deleanu	3396	
	Cluj - Phase Three	Professor Diana Deleanu	3019	
		Country Total	6415	
Russia				
	Moscow - Phase One	Professor Rakhim M Khatov, Director of the Institute of Immunology	3411	
	Novosibirsk - Phase One	Prof Dr Elena G Kondiourina	3654	3637
	Novosibirsk - Phase Three	Prof Dr Elena G Kondiourina	3769	2730
		Country Total	10834	6367
Serbia and Montenegro				
	Belgrade - Phase Three	Dr Zorica Zivkovic MD, PhD	3228	1932
	Nis - Phase Three	Asst Professor Snezana Zivanovic	1207	1002
	Novi Sad - Phase Three	Dr Mila Hadnadjev	1171	1044
	Podgorica - Phase Three	Dr Omer Adzovic	1014	933
	Sombor - Phase Three	Dr Eva Panic	1105	1029
		Country Total	7725	5940
Sweden				
	Linköping - Phase One	Professor N-I Max Kjellman	2496	1329
	Linköping - Phase Two	Dr Lennart Bräbäck	907	
	Linköping - Phase Three	Dr Hartmut Vogt	2679	2089
	Stockholm/Uppsala - Phase One	Dr Tony Foucard	3075	3029
	Östersund - Phase Two	Dr Lennart Bräbäck	1195	
		Country Total	10352	6447
Ukraine				
	Kharkiv - Phase One	Associate Professor Viktor Ognev	3311	2971
	Kharkiv - Phase Three	Associate Professor Viktor Ognev	2428	1950
	Rural Kharkiv - Phase Three	Associate Professor Viktor Ognev	3968	3000
		Country Total	9707	7921
Uzbekistan				
	Samarkand - Phase One	Professor Tamara Aripova	1758	
	Tashkent - Phase One	Professor Tamara Aripova	2904	
		Country Total	4662	
		Regional Total	147587	77887
Oceania				
Australia				
	Adelaide - Phase One	Dr Declan Kennedy	3030	3063
	Melbourne - Phase One	Professor Colin F Robertson	2759	2840
	Melbourne - Phase Three	Professor Colin F Robertson	2192	2968
	Perth - Phase One	Professor Louis Landau	3650	2192
	Sydney 13-14 - Phase One	Professor Adrian Bauman	2839	
	Sydney 6-7 - Phase One	Dr Jennifer Peat		2804
		Country Total	14470	13867
Cook Islands				
	Rarotonga - Phase Three	Dr Roro Daniel	445	
		Country Total	445	
Fiji				
	Suva - Phase Three	Dr Rosalina Sa'aga-Banuve	3093	
		Country Total	3093	
French Polynesia				
	Polynesie Francaise - Phase Three	Dr Isabella Annesi-Maesano	4289	
		Country Total	4289	

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Country	Centre	Principal Investigator	Number 13-14 years	Number 6-7 years
New Zealand				
Auckland - Phase One	Professor M Innes Asher ONZM	3206	3526	
Auckland - Phase Three	Professor M Innes Asher ONZM	2870	3541	
Bay of Plenty - Phase One	Dr Chris Moyes	2813	2681	
Bay of Plenty - Phase Three	Dr Chris Moyes	1976	2150	
Christchurch - Phase One	Associate Professor Philip Pattemore	3191	3318	
Christchurch - Phase Three	Associate Professor Philip Pattemore	3116	3315	
Hawkes Bay - Phase One	Dr David Barry	3550	3338	
Hawkes Bay - Phase Two	Professor Julian Crane	1320		
Nelson - Phase One	Dr Richard MacKay	1839	1868	
Nelson - Phase Three	Dr Richard MacKay	2305	1867	
Wellington - Phase One	Professor Julian Crane	4424	3838	
Wellington - Phase Three	Professor Neil Pearce	3050	2537	
Country Total		33660	31979	
Niue				
Niue Island - Phase Three	Ms Moka Magatogia	79	47	
Country Total		79	47	
Nouvelle Caledonie				
Nouvelle Caledonie - Phase Three	Dr Isabella Annesi-Maesano	7247		
Country Total		7247		
Samoa				
Apia - Phase Three	Ms Peone Fuimaono	2986		
Country Total		2986		
Tokelau				
Tokelau - Phase Three	Dr Tekie Iosefa	66		
Country Total		66		
Tonga				
Nuku alofa - Phase Three	Dr Sunia Foliaki	2671		
Country Total		2671		
Regional Total		69006	45893	
Western Europe				
Austria				
Kärnten - Phase One	Associate Professor Gerald Haidinger	5264		
Kärnten - Phase Three	Associate Professor Gerald Haidinger	4847		
Salzburg - Phase One	Dr Josef Riedler	3371	3658	
Urfahr-Umgebung - Phase One	Associate Professor Gerald Haidinger	1515	2129	
Urfahr-Umgebung - Phase Three	Associate Professor Gerald Haidinger	1439	2029	
Country Total		6325	17927	
Belgium				
Antwerp - Phase One	Professor Paul Vermeire	1515	6533	
Antwerp - Phase Three	Professor Joost Weyler	3250	5645	
Country Total		4765	12178	
Channel Islands				
Guernsey - Phase One	Dr David Jeffs	1170		
Guernsey - Phase Three	Dr Peter Standing	1248		
Jersey - Phase One	Dr Richard Grainger	1135		
Jersey - Phase Three	Ms Rosie Goulding	773		
Country Total		4326		
France				
Crétail - Phase Two	Dr Isabella Annesi-Maesano	1400		
Marseille - Phase One	Professor Denis Charpin	3494		
Montpellier - Phase One	Professor Philippe Godard	3384		
Pessac - Phase One	Professor André Taylard	3302	3202	
Strasbourg - Phase One	Dr Christine Kopferschmitt-Kubler	5403		
West Marne - Phase One	Dr Isabella Annesi-Maesano	2961		
Country Total		19944	3202	
Germany				
Dresden - Phase Two	Professor W Leopold	3023		
Greifswald - Phase One	Professor Axel Kramer	3169	2853	
Munich - Phase Two	Professor Erika von Mutius	3301		
Münster - Phase One	Prof Dr Ulrich Keil	4003	3739	
Münster - Phase Three	Prof Dr Ulrich Keil	4132	3830	
Country Total		17628	10422	



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Country	Centre	Principal Investigator	Number 13-14 years	Number 6-7 years
Greece				
Athens - Phase One		Associate Professor Christina Gratziou	2561	1654
Athens - Phase Two		Associate Professor Christina Gratziou	985	
Thessaloniki - Phase Two		Associate Professor John Tsanakas	1018	
Thessaloniki - Phase Three		Associate Professor John Tsanakas	1228	
	Country Total		5792	1654
Isle Of Man				
Isle of Man - Phase One		Dr Peter Powell	1467	
Isle of Man - Phase Three		Dr Andreea Steriu	1716	1096
	Country Total		3183	1096
Italy				
Ascoli Piceno - Phase One		Professor Sergio Bonini	1130	
Bari - Phase Three		Dr Lucio Armenio	1287	1943
Colleferro-Tivoli - Phase Three		Dr Valerio Dell'Orco	1361	1143
Cosenza - Phase One		Dr Enea Bonci	1068	
Cosenza - Phase Three		Dr Enea Bonci	925	
Cremona - Phase One		Mr Franca Rusconi	1201	1392
Emilia-Romagna - Phase One		Dr Marco Biocca	3961	4472
Emilia-Romagna - Phase Three		Dr Claudia Galassi	1347	2265
Empoli - Phase One		Ms Lucia Chetoni	1046	1434
Empoli - Phase Three		Dr M G Petronio	1229	1152
Firenze - Phase One		Dr Elisabetta Chellini	1171	1138
Firenze - Phase Three		Dr Elisabetta Chellini	1383	1036
Frosinone - Phase One		Mr Roberto Ronchetti	1147	
Mantova - Phase Three		Dr Gabriele Giannella	1114	1288
Milano - Phase One		Dr Luigi Bisanti	3373	3616
Milano - Phase Three		Dr Luigi Bisanti	1410	2249
Palermo - Phase Three		Dr Stefania La Grutta	1221	
Roma - Phase One		Dr Francesco Forastiere	3323	4027
Roma - Phase Two		Dr Francesco Forastiere	1354	
Roma - Phase Three		Dr Francesco Forastiere	1325	2224
Siena - Phase One		Ms Elisabetta Renzoni	1181	
Siena - Phase Three		Dr Piersante Sestini	1082	
Torino - Phase One		Dr Giovannino Ciccone	1242	1429
Torino - Phase Three		Dr Giovannino Ciccone	1180	2361
Trento - Phase One		Dr Silvano Piffer	4426	
Trento - Phase Three		Dr Silvano Piffer	1311	2359
Verona - Phase One		Professor Attilio Boner	2208	2076
Viterbo - Phase One		Mr Giuseppe Corbo		1231
	Country Total		44006	38835
Netherlands - Phase Three		Professor Rutger Engels	6896	
Netherlands (Utrecht) - Phase Two		Professor Bert Brunekreef, PhD	3541	
	Country Total		10437	
Norway				
Tromsø - Phase Two		Dr Wenche Nystad	3669	
	Country Total		3669	
Portugal				
Coimbra - Phase Three		Dr M Lourdes Chiera	1177	
Funchal - Phase One		Dr Fernando D Borges	3532	1797
Funchal - Phase Three		Dra Rita Câmara	3161	1819
Lisbon - Phase One		Dr José E Rosado Pinto	3030	2143
Lisbon - Phase Three		Dr José E Rosado Pinto	3024	2477
Portimao - Phase One		Dr Carlos Nunes	1058	1189
Portimao - Phase Three		Dr Carlos Nunes	1109	1069
Porto - Phase One		Dr José M Lopes dos Santos	3131	
Porto - Phase Three		Dr José M Lopes dos Santos	3336	2464
	Country Total		22558	12958
Republic of Ireland				
Republic of Ireland - Phase One		Professor Luke Clancy	3147	
Republic of Ireland - Phase Three		Professor Luke Clancy	3089	
	Country Total		6236	

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Country	Centre	Principal Investigator	Number 13-14 years	Number 6-7 years
Netherlands				
Spain				
A Coruña - Phase Three	Dr Angel López-Silvarrey Varela	2979	3016	
Almeria - Phase Two	Dr José Batllés-Garrido	1126		
Almeria - Phase Three	Dr José Batllés-Garrido	4051	3349	
Asturias - Phase Three	Dr Ignacio Carvajal-Urueña	4184	3193	
Barcelona - Phase One	Dr Rosa M Busquets	3031		
Barcelona - Phase Three	Dr Rosa M Busquets	3066	3002	
Bilbao - Phase One	Dr Alfonso Delgado Rubio	3212	3019	
Bilbao - Phase Three	Dr Carlos González Díaz	3401	3157	
Cádiz - Phase One	Dr Andrés Rabadán Asensio	3270		
Cartagena - Phase One	Professor Luis García-Marcos	3017	3335	
Cartagena - Phase Two	Professor Luis García-Marcos	1429		
Cartagena - Phase Three	Professor Luis García-Marcos	3998	2948	
Castellón - Phase One	Dr Alberto Arnedo-Peña	3094	3594	
Castellón - Phase Three	Dr Alberto Arnedo-Peña	4024	3915	
Madrid - Phase One	Dr Gloria García-Hernández	3321	2442	
Madrid - Phase Two	Dr Gloria García-Hernández	981		
Madrid - Phase Three	Dr Gloria García-Hernández	2652	2347	
Pamplona - Phase One	Professor Francisco Guillén-Grima	3040	2996	
Pamplona - Phase Three	Professor Francisco Guillén-Grima	2932	3176	
San Sebastián - Phase Three	Professor Eduardo G Pérez-Yarza	1195	926	
Valencia - Phase One	Professor María M Morales-Suárez-Varela	3179	3940	
Valencia - Phase Two	Professor María M Morales-Suárez-Varela	1362		
Valencia - Phase Three	Professor María M Morales-Suárez-Varela	3132	3398	
Valladolid - Phase One	Professor Alfredo Blanco-Quirós	3178		
Valladolid - Phase Three	Professor Alfredo Blanco-Quirós	2944		
	Country Total	71798	51753	
Turkey				
Ankara - Phase Two	Dr Yıldız Saracalar	2976		
	Country Total	2976		
United Kingdom				
Anglia and Oxford - Phase One	Professor H Ross Anderson	2324		
North east and Yorkshire - Phase One	Professor H Ross Anderson	3709		
North Thames - Phase One	Professor H Ross Anderson	2220		
North Thames - Phase Three	Professor H Ross Anderson	2356		
North West - Phase One	Professor H Ross Anderson	3029		
Scotland - Phase One	Professor H Ross Anderson	4444		
Scotland - Phase Three	Dr Jane B Austin	4662		
South and West - Phase One	Professor H Ross Anderson	2707		
South Thames - Phase One	Professor H Ross Anderson	2297		
South Thames - Phase Three	Professor H Ross Anderson	2432		
Sunderland - Phase One	Dr Mohammad H Shamssain	2092	1864	
Sunderland - Phase Three	Dr Mohammad H Shamssain	2193	1843	
Surrey/Sussex - Phase One	Professor David Strachan	2114		
Surrey/Sussex - Phase Three	Professor David Strachan	5082		
Trent - Phase One	Professor H Ross Anderson	2207		
Wales - Phase One	Professor H Ross Anderson	2351		
Wales - Phase Three	Dr Michael Burr	2501		
West Midlands - Phase One	Professor H Ross Anderson	2219		
West Sussex - Phase Two	Professor David Strachan	1056		
	Country Total	51995	3707	
	Region Total	275638	153732	
	Global Total	1340811	686892	



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ISAAC Journal Information

The below table shows the journals that have published articles by ISAAC collaborators. It shows the journal, its impact factor (if available) and the number of ISAAC articles the journal has published. This information is also available at <http://isaac.auckland.ac.nz/publications/journalSummary.php>.

Journal Name	Website	Impact Factor 2010	Number of Original ISAAC Articles Published	Number of Letters About ISAAC	Number of Editorials About ISAAC
Acta clinica Belgica	http://www.actaclinicabelgica.be/	0 532	1		
Acta Paediatrica	http://www.wiley.com/bw/journal.asp?ref=0803-5253	1 955	4		
Acta Paediatrica Japonica	http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291442-200X		1		
Allergologia et Immunopathologia	http://www.elsevier.es/revistas/ctl_servlet?f=7032&revistaid=105	0 779	19		
Allergologie	http://www.dustri.com/nc/de/deutschsprachige-zeitschriften/mag/allergologie.html	0 143	5		
Allergology International	http://ai.jsweb.jp/past.html		2		
Allergy	http://www3.interscience.wiley.com/journal/118519659/home	6 297	24	1	
Allergy and Asthma Proceedings	http://www.oceansidepubl.com/aap/index.htm	1 735	5		
Allergy and Clinical Immunology	www.hhpub.com		1		
Allergy Asthma and Clinical Immunology	http://e-aair.org/index.php		2		
Allergy Asthma and Immunology Research	2004-2009: http://www.swetswise.com/eAccess/viewTitleIssues.do?titleID=267852 2009: http://www.aacijournal.com/		1		
Allergy Hypersensitivity Asthma	No Website		1		
American Journal of Public Health	http://www.ajph.aphap.org/	3 85	1		
American Journal of Respiratory and Critical Care Medicine	http://www.atsjournals.org/	10 191	6	1	
Anales de pediatria (Barcelona)	http://www.elsevier.es/revistas/ctl_servlet?f=7032&revistaid=37	0 57	5		
Anales del sistema sanitario de Navarra	http://www.cfnavarra.es/SALUD/ANALES/default.html	0 252	1		
Anales Espanoles de Pediatría	Continued by Anales de pediatria (Barcelona)		4		
Annals of Allergy, Asthma and Immunology	http://www.annallergy.org/issues	2 801	6		
Annals of Epidemiology	http://www.annallergy.org	3 238	1		
Annals of Tropical Paediatrics: International Child Health	http://www.ingentaconnect.com/content/maney/atp	0 966	3		
Archives De Pediatrie	http://www.elsevier.com/wps/find/journaldescription.cws_home/505820/description#description	0 305	1		
Archives of Disease in Childhood	http://adc.bmjjournals.com	2 616	7		
Archives of pediatrics and adolescent medicine	http://archpedi.ama-assn.org/	4 029	1		
Archivos de bronconeumología	http://www.archbronconeumol.org/bronco_eng/ctl_servlet?f=1		2		
Asian Pacific Journal of Allergy and Immunology	http://www.allergythai.org/index.php?name=AsianPacificJournalofAllergyandImmunology	0 172	3		
Asthma	No Website		1		
Atencion primaria	http://www.elsevier.es/revistas/ctl_servlet?f=7232&revistaid=27	0 619	1		
Australasian Epidemiologist	http://wwwaea.asn.au/journal_aims.htm		1		
Australian and New Zealand Journal of public health	http://www3.interscience.wiley.com/journal/117969397/home	1 529	1		
Australian Family Physician	http://www.racgp.org.au/afp/	0 647	1		
BMC public health	http://www.biomedcentral.com/bmcpublichealth/	2 364	1		
British Journal of Dermatology	http://www.wiley.com/bw/journal.asp?ref=0007-0963&site=1	4 351	2		
British Medical Journal	http://www.bmjj.com/	13 471	3		
Bulletin de l'Académie nationale de médecine	http://www.academie-medecine.fr/le_bulletin_efm?langue=fr	0 316	1		
Cadernos de Saúde Pública	http://www.scielo.br/scielo.php?script=sci_serial&pid=0102-311X&lng=en&nrm=iso	0 987	1		
Canadian Medical Association Journal	http://www.cmaj.ca/	9 015	2		
Chest	http://www.chestjournal.org/	6 519	1		
Childrens Pulmonology	No Website		6		
Clinical and Experimental Allergy	http://www3.interscience.wiley.com/journal/117999818/home	4 195	25		
Clinics	http://www.scielo.br/scielo.php?script=sci_serial&pid=1807-5932&lng=en&nrm=iso	1 422	1		
Cough	http://www.coughjournal.com		1		
Current Allergy and Clinical Immunology	http://www.allergysa.org/allsa.htm	0 196	1		
Current Opinion in Allergy and Clinical Immunology	http://journals.lww.com/co-allergy/pages/default.aspx	3 431	1		
East African Medical Journal	http://www.ajol.info/journal_index.php?jid=53		3		
Eastern Mediterranean Health Journal	http://www.emro.who.int/publications/emhj/index.asp		1	1	
Environmental Health	http://www.ehjournal.net/	2 45	2		
Environmental Health Perspectives	http://www.ehponline.org	6 087	2		
Epidemiologia e Prevenzione	http://www.epidemiologiaprevenzione.it/cms/?q=node/4	0 636	20		
Epidemiology	http://journals.lww.com/epidem/pages/default.aspx	5 866	5		
Ethiopian medical journal	http://www.emaethiopia.org/journal.aspx		1		
European journal of clinical nutrition	http://www.nature.com/ejcn/index.html	2 561	1		

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Journal Name	Website	Impact Factor 2010	Number of Original ISAAC Articles Published	Number of Letters About ISAAC	Number of Editorials About ISAAC
European Journal of Epidemiology	http://www.springerlink.com/content/102883/	4 535	2		
European Respiratory Journal	http://erj.ersjournals.com/	5 922	36		
Georgian medical news	http://www.geomednews.org/		2		
Gesundheitswesen	http://www.thieme-connect.com/ejournals/toc/gesu		1		
Health and place	http://www.elsevier.com/wps/find/journaldescription.cws_home/30519/description#description	2 694	1		
Indian Paediatrics	http://indianpediatrics.net/	0 9	1		
International Archives of Allergy and Immunology	http://content.karger.com/ProdukteDB/produkte.asp?Aktion=JournalHome&ProduktNr=224161	2 235	4		
International Journal of Biometeorology	http://springerlink.metapress.com/content/100429/	1 805	3		
International journal of chronic obstructive pulmonary disease	http://www.dovepress.com/articles.php?pa=overview&journal_id=6		1		
International Journal of Epidemiology	http://ije.oxfordjournals.org/	5 759	6		
International journal of obesity	http://www.nature.com/ijo/index.html	2 654	1		
International Journal of Occupational and Environmental Health	http://www.ijoeh.com/index.php/ijoeh	1	1		
International Journal of Tuberculosis and Lung Disease	http://www.ingentaconnect.com/content/iuatld/ijtld	2 557	7		3
Iranian Journal of Allergy, Asthma and Immunology	http://www.iaari.hbi.ir/journal/	0 742	2		
Irish Medical Journal	http://www.imj.ie/		3		
Jornal de Pediatria	http://www.scielo.br/scielo.php?script=sci_serial&pid=0021-7557&lng=en&nrm=iso	1 065	7		
Journal Medical Libanais	http://lebanesemedicaljournal.org/index.html		1		
Journal of Allergy and Clinical Immunology	http://www.jacionline.org/	9 273	8		2
Journal of Asthma	http://informahealthcare.com/loi/jas	1 341	14		1
Journal of Investigational Allergology and Clinical Immunology	http://www.jiaci.org/index.htm	1 489	15		
Journal of Investigative Dermatology	http://www.nature.com/jid/	6 27	0		1
Journal of Isfahan Medical School	http://journals.mui.ac.ir/jims		1		
Journal of Korean medical science	http://jkms.org/	0 832	1		
Journal of Paediatrics and Child Health	http://www.wiley.com/bw/journal.asp?ref=1034-4810&site=1	1 221	3		
Journal of Shahid Sadoughi University of Medical Sciences and Health Services	No Website		1		
Journal of the European Academy of Dermatology and Venereology	http://onlinelibrary.wiley.com/journal/10.1111/j.2811ISSN%291468-3083	3 309	0		1
Journal of the Medical Association of Thailand	http://www.mamatth.org/journal/all.php		1		
Journal of the National Medical Association	http://www.nmanet.org/index.php/Publications_Sub/jnma	1 104	1		
Journal of the Royal Society of Health	http://rsh.sagepub.com/		1		
Journal of tropical pediatrics	http://tropej.oxfordjournals.org/	1 248	1		
Journal Romanian Society Allergology & Clinical Immunology	No Website		1		
Korean Journal of Preventative Medicine	http://prevent.rchis.org/		1		
La Tunisie médicale	http://www.latunisiemedicale.com/		1		
Leukotriene Research and Clinical Review	No Website		1		
Macedonian Journal of Medical Science	http://www.mjms.ukim.edu.mk/MJMS_Archive.htm		2		
Maedica A Journal of Clinical Medicine	http://www.maedica.org		1		
Maternal and child health journal	http://www.springerlink.com/content/105600/		1		
Medical Journal of Australia	http://www.mja.com.au/	2 684	2		
Medical Principals and Practice	http://content.karger.com/ProdukteDB/produkte.asp?Aktion=JournalHome&ProduktNr=224259	1 069	2		
Medicina Clinica	http://www.elsevier.es/revistas/ctl_servlet?_f=7032&revistaId=2	1 413	3		
Medicina-Lithuania	http://medicina.kmu.lt/main-e.htm	0 446	1		
Monaldi archives for chest disease	http://archest.fsm.it/pne/index.html		1		
Monatsschrift Kinderheilkunde	http://www.springerlink.com/content/0026-9298	0 231	1		
Nature	http://www.nature.com/nature/index.html	36 101	1		
New England Journal of Medicine	http://www.nejm.org	53 484	1		
NZ Medical Journal	http://www.nzma.org.nz/journal/		4		
Occupational Environmental Medicine	http://oem.bmjjournals.com/	3 494	4		
Otolaryngologia polska	http://www.otolaryngologia.org.pl/orl2/otol_pol/teksty.php		1		
Otolaryngology - Head and Neck Surgery	http://www.journals.elsevierhealth.com/periodicals/ymhn	1 565	1		
Paediatric respiratory reviews	http://www.journals.elsevierhealth.com/periodicals/yprrv/home	2 676	1		

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Journal Name	Website	Impact Factor 2010	Number of Original ISAAC Articles Published	Number of Letters About ISAAC	Number of Editorials About ISAAC
Pediatric Allergy and Immunology	http://www.wiley.com/bw/journal.asp?ref=0905-6157	2 874	40		
Pediatric Allergy and Respiratory Disease (Korea)	http://www.kapard.or.kr/		1		
Pediatric Asthma, Allergy and Immunology	http://www.liebertonline.com/doi/abs/10.1089/pai.2004.17.244		1		
Pediatric Clinics of North America	http://www.pediatric.theclinics.com/	2 204	1		
Pediatric Pulmonology	http://www3.interscience.wiley.com/journal/39249/home	2 239	12	2	
Pediatrics	http://pediatrics.aappublications.org/	5 391	1		
Pharmacoepidemiology and drug safety	http://www3.interscience.wiley.com/journal/5669/home	2 339	1		
Pneumologia (Bucharest, Romania)	http://www.pneumologia.eu/US/EN-home.htm		1		
Pneumologie	http://www.thieme-connect.de/ejournals/toc/pneumologie		1		
Pneumonologia i Alergologia Polska	http://www.pneumonologia.viamedica.pl/		5		
Preventive medicine	http://www.elsevier.com/wps/find/journaldescription.cws_home/622934/description	3 299	1		
Primary Care Respiratory Journal	http://www.theperj.org		1		
Przeglad Lekarski Respiratory Medicine	http://www.wple.net/plek/przeglad_lekarski.htm		2		
Respiratory Research	http://www.elsevier.com/wps/find/journaldescription.cws_home/623069/description#description	2 525	3		
Respirology	http://respiratory-research.com/	2 859	4		
Revista alergia México	http://www.wiley.com/bw/journal.asp?ref=1323-7799	1 865	4		
Revista De Saude Publica	http://www.imbiomed.com.mx/1/1/articulos.php?method=showIndex&id_revista=12		2		
Revista Medica de Chile	http://www.scielo.cl/scielo.php?script=sci_arttext&pid=S0034-8910200000600016&lng=en&nrm=iso	0 862	1		
Revista panamericana de salud publica	http://www.scielosp.org/scielo.php?pid=1020-4989&script=sci_serial	0 366	2		
Revista Portuguesa de Pneumologia	http://www.scielo.oces.mctes.pt/scielo.php?script=sci_issues&pid=0873-2159&lng=en&nrm=iso	0 355	1		
Revue d'épidémiologie et de santé publique	http://www.sciencedirect.com/science/journal/03987620	1 247	1		
Revue des Maladies Respiratoires	http://www.sciencedirect.com/science/journal/07618425	0 426	11		
Revue francaise d'allergologie et d'immunologie clinique	http://www.sciencedirect.com/science/journal/03357457	0 212	6		
Rhinology	http://www.rhinologyjournal.com/	0 803	1		
Salud Publica de Mexico	http://bvs.insp.mx/rsp/Inicio/		3		
Scandinavian Journal of Work Environment and Health	http://www.sjweh.fi/	3 54	1		
Sozial- und Präventivmedizin	http://www.springerlink.com/content/109374/		2		
TABIB-E-SHARGH	No Website		1		
Tanaffos	http://nrtild.ac.ir/tanaffosjournal/tabcid/1362/language/en-US/Default.aspx		2		
The Journal of the Association of Physicians of India	http://www.japi.org/	0		1	
The Lancet	http://www.thelancet.com/journals/lancet/issue/current	33 633	5	1	1
Thorax	http://thorax.bmjjournals.org/	6 525	13		2
Toxicology Letters	http://www.elsevier.com/wps/find/journaldescription.cws_home/505519/description#description	3 581	1		
Wiener Klinische Wochenschrift	http://www.springerlink.com/content/112448/	0 747	3		
World Journal of Pediatrics	http://www.springerlink.com/content/121086/	0 945	1		
Zhonghua er ke za zhi Chinese journal of pediatrics	http://www.wanfangdata.com/CMAJ/browse.asp		2		
Zhonghua jie he he hu xi za zhi Chinese Journal of Tuberculosis and Respiratory Disease	http://www.wanfangdata.com/CMAJ/browse.asp		1		
Zhonghua yi xue za zhi National Medical Journal of China	http://www.cmj.org/		2		

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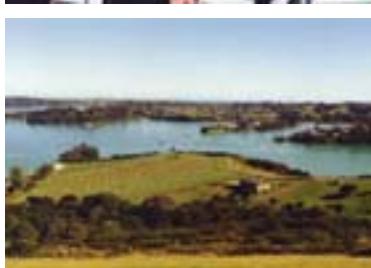
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Santiago, Chile 2006





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Munster, Germany 2007



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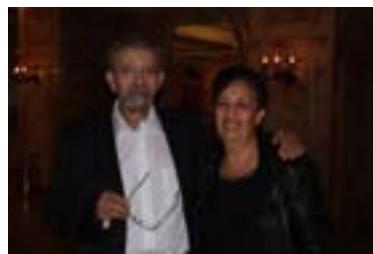


Casablanca, Morocco 2008





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Merida, Mexico 2009



Auckland, New Zealand 2011





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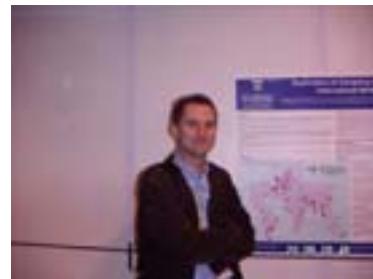
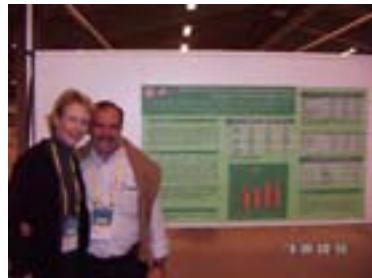
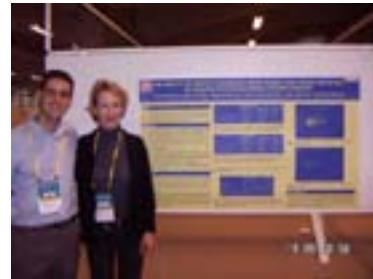
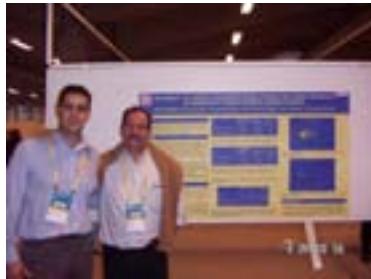
ISAAC Receptions

Copenhagen, Germany ERS2005





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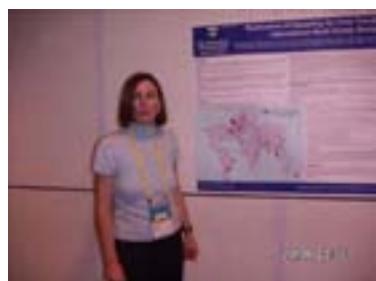


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Auckland, New Zealand Symposium2011





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