

I NTERNATIONAL S TUDY OF A STHMA AND A LLERGIES IN C HILDHOOD

NEWSLETTER – APRIL 2009

Dear ISAAC Colleagues and friends,

Welcome to the first ISAAC Newsletter for the year 2009. It does not seem possible that 4 months has passed since the December 08 edition - is this because we are all getting busier – or older?

The ISAAC International Data Centre has settled down into the New Year nicely, with a lot going on. Eamon Ellwood has done a very good job of revamping the ISAAC website (see his report in this issue). We encourage you to have a look at the ‘new look’ website and contact us if there is anything you might like to add, update, either that is newsworthy or to add to the publications list of which we are proud. We rely on all our ISAAC collaborators to bring recent ISAAC publications to our attention as it is difficult for us to keep up to date with these. We would also appreciate any feedback or suggestions about the website that you wish to send to us.

While the website was undergoing its ‘rennovation’, we discovered that 7 newsletters, prior to November 1995 had not been up loaded. Each is now available as a pdf and makes for some interesting reading of our early progress. It is hard to imagine that when the first newsletter was written in 1993 that only 5 countries had begun the Phase One data collection, and we thought that was a marvellous achievement!

Eamon has created a list of all journals which have ISAAC publications and their impact factors for your information available via the website and on page 7 of this newsletter.

We are seeking global funding in the hope of supporting ISAAC Phase Five with continuation of funding for the ISAAC International Data Centre. However with the economic situation obtaining funding will not be easy. I will bring a progress report about this to you in the next newsletter.

In the last newsletter mention was made of authorship of the ISAAC publications. Where the authors listed on the title page finish with “and the ISAAC Phase ‘X’ Study Group”, the names of the authors in the study group are usually listed at the end of the paper. I urge you to check the world wide papers and note those for whom you are an author, then you may use citations you are entitled to for your CV’s etc.

The ERS scientific meeting is, this year, to be held in Vienna, Austria, September 12-16. As usual we will be hosting the ISAAC collaborators meeting, which those of you registered for the ERS are encouraged to attend. Further details to come.

As always, we encourage you to let us know of news worthy events that can be shared with our ISAAC Colleagues via the newsletter. Having newsletters available from the ISAAC website ensures easy access for everyone.

With warmest wishes on behalf of the ISAAC Steering Committee and the International Data Centre.

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NEWSLETTER CONTENT:

- ◆ [Editorial: Innes Asher](#)
- ◆ [Congratulations to:](#)
 - [Bert Brunekreef](#)
 - [Sunia Foliaki](#)
- ◆ [Profile – Gudrun Weinmayer](#)
- ◆ [Profile – Gary Wong](#)
- ◆ [ISAAC Website update](#)
 - [Eamon Ellwood](#)
- ◆ [Publication Check](#)
 - ◆ [ISAAC Phase One Publications](#)
 - ◆ [ISAAC Phase Two Publications](#)
 - ◆ [ISAAC Phase Three Publications](#)

Sub editor - P Ellwood

Innes

Professor Innes Asher ONZM

Congratulations to:

Professor Bert Brunekreef

The Dr AH Heineken prize for Environmental Sciences of 2008 was awarded to Bert in recognition for his work on environmental epidemiology over the years. The prize was presented during a ceremony in Amsterdam in October. First awarded in 1990, the prize is awarded in recognition of significant achievements in environmental science. It consists of a trophy representing an oak tree, and a cash prize of 150,000 US\$ which Bert donated to the IRAS foundation to support environmental health students from developing countries. www.irasfoundation.nl



The photo below is of Crown Prince Willem Alexander presenting on behalf of The Royal Netherlands Academy of Arts and Sciences, the Dr A.H. Heineken Prize for Environmental Sciences 2008 to Bert

(Sir Richard Peto, who won the Heineken prize for Medicine in 2008 is in the background)



AND!

In 2008 Bert was awarded an honorary doctorate from the Catholic University of Louvain (founded in 1425)

CONGRATULATIONS!!!!

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Congratulations to:

**Dr Sunia Foliaki
ISAAC Steering Committee
Regional Coordinator for Oceania**



**For being awarded his PhD titled
“Epidemiology of asthma in selected Pacific Island States”**

May 2008

**ISBN 978-0-473-13551-5
ISSN 1176-1237**

Website: <http://www.publichealth.ac.nz/>

Copies of this publication can be purchased in hard copy through the website (NZ\$20, €10), or downloaded for free in pdf form from the website.

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ISAAC Profile

Gudrun Weinmayer



ISAAC Steering Committee member Ulm, Germany

I am by training a Biologist graduating from the Technical University in Munich. In this first academic life, I had a special interest in marine biology. Therefore I spent about two years studying and doing a Masters thesis in St. Andrews where I was culturing sea slugs. Don't laugh they are among the most beautiful marine organisms – mine that you see below are actually just average! It followed a doctoral thesis in “Oceanologie biologique” at the University Pierre et Marie Curie in Paris. After a long fight with PCRing slimy ice cone tube worms I was submitting my thesis and was wondering whether I would really feel fulfilled with doing this kind of thing during my whole life and put so much effort into finding out that ice cone tube worm populations in physically separated sand patches are in (genetic) exchange. Actually I still find it fascinating to read about these things, but let others find their real passion in doing research for it.

After some reflection I started a master's course of Public Health in Ulm. In our second year, Stephan Weiland came as newly appointed professor to Ulm – I actually can still remember his talk during the selection procedure where, of course, he presented ISAAC. At this time of course I did not have a clue that I could be part of it in the near future. Stephan started lecturing for us in November 2001 and in February 2002 I joined his department as the “ISAAC Phase Two Philippa”. I was delighted to work in an international study and in such an interesting subject. So it was an easy decision to stay on after having finished my MPH, even the more so because Stephan was such a wonderful person. Since his death I do my best with David to keep Phase Two going in a way I hope he may have liked.

Other than international ISAAC Phase Two I am also working in the follow-up of the German ISAAC Phase Two cohorts – the second follow up at the age of about 22 years is nearly finished. Other than asthma and allergies, I am strongly interested in environmental epidemiology, especially in the effects of air pollution. So I am happy to have had the opportunity to work in two European projects on this topic, one still ongoing. I am also involved in a project on indicators for asthma and COPD, where we currently carry out a study among the elderly in Ulm.

I love spending time outdoors especially cycling, swimming and skiing.

However, if there's bad weather my wimpy side prefers to read a good book inside. I like travelling and discovering/enjoying all sorts of landscapes and nature – still fascinated by water. I am also a real European loving all our historical buildings – as to outside of Europe I still have to learn a lot I am afraid although there is certainly no lack of interest!

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ISAAC Profile

Gary Wong



ISAAC Steering Committee member and Principal Investigator for Hong Kong 13-14 year age group

I was born in Hong Kong and I went to Vancouver, Canada to complete my high school study. Subsequently, I had my undergraduate medical training and post graduate pediatric training at the University of Alberta in Edmonton. After my fellowship training in the British Columbia Children's Hospital, I returned to Hong Kong to take up a teaching post at the Chinese University of Hong Kong. Subsequently, I had the opportunity to learn more about asthma epidemiology with Professor Erika von Mutius as a visiting fellow at the University of Munich.

At the Chinese University of Hong Kong, Professor Chris Lai has been my mentor in the field of asthma research. I have been involved in ISAAC ever since Phase I. It has been a wonderful experience working with the ISAAC family and get to know many researchers around the world interested in asthma epidemiology. In addition, I have also been involved in the promotion of better asthma control through the work as an Executive member of Global Initiative for Asthma (GINA).

In my spare time, I enjoy hiking and cycling with my wife Karen and my son Jayson. Jayson is a very active two year old and he can ride a tricycle chasing after us.

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ISAAC Website Upgrade

The 'new look' ISAAC website (<http://isaac.auckland.ac.nz/>) has been up and running since the start of the year, and now has all the bugs worked out of it.

We are continuing to update the publications database, adding new ISAAC papers as they are published, and continuing to search for full text articles. Currently we have 347 journal articles in the database (as well as various manuals and other publications), 315 abstracts and 185 full text articles or links to articles. A list of Journals and their impact factors (that appears below) has now been added to the website in the publications section under 'Journal Summary'. As always, we encourage you to make use of this facility (<http://isaac.auckland.ac.nz/publications/publicationsintro.html>). Please check to see that your articles have been included. If not please contact me at e.ellwood@auckland.ac.nz I am planning to add further functionality to the search page, so feedback on what you would find useful would be appreciated.

Now that stages one and two (the redesign of the website) are completed, we are starting to add new content. We have updated the content in the 'about ISAAC' section, including information about ISAAC's many achievements over the years.

The introduction to the 'Phases' section and the Phase Two and Three sections have been updated. Information about ISAAC findings has also been added. The Phases Two and Three study group pages, study centre maps and pages have been added to bring the Phase Two and Three sections up to the same level of detail and content as the Phase One section.

A new search facility has been added to the site. In addition to being able to search the publications in the publications section, users can now search the entire ISAAC site from the home page using the new search box in the main menu bar.

We are always looking for noteworthy information to go on the news and announcements page. This is intended to keep the ISAAC community up to date with what is happening in the ISAAC study more frequently than the bi-annual newsletter. If you have any noteworthy events or announcements, please let me know and I will add them to the webpage.

There is still a lot planned for the ISAAC website. We will be adding new content throughout the year. Currently the proposed new content to be added includes: Useful links to be added to resources section e.g. good research/resource sites, asthma information sites open journal sites etc; Management recommendations; and Entry level 'information pages' about asthma, eczema and rhinitis. If you have any information that could be added to the website, particularly any good internet links, please forward them to me.

The ISAAC website is designed to be a resource for you. If you have any ideas or suggestions for improvements or new items you would like to see added, please don't hesitate to contact me at e.ellwood@auckland.ac.nz. Your feedback is welcomed and appreciated.

Kind regards
Eamon Ellwood

ISAAC Webmaster
e.ellwood@auckland.ac.nz

Journal Names, impact factors and the number of ISAAC Publications

Journal Name	Website	Impact Factor	Number of Papers
Allergy & Clinical Immunology International	www.hpub.com	Archive Journal	1
Nature	http://www.nature.com/nature/index.html	28.751	1
The Lancet	http://www.thelancet.com/journals/lancet/issue/current	28.638	5
British Medical Journal	http://www.bmj.com/	9.723	3
American Journal of Respiratory & Critical Care Medicine	http://www.atsjournals.org/	9.091	2
Journal of Allergy & Clinical Immunology	http://www.jacionline.org/	8.115	8
Canadian Medical Association Journal	http://www.cmaj.ca/	7.067	2
Thorax	http://thorax.bmj.com/	6.226	7
Environmental Health Perspective	http://ehpnet1.niehs.nih.gov/docs/2001/109-4/toc.html	5.636	1
European Respiratory Journal	http://erj.ersjournals.com/	5.349	33
Epidemiology	http://www.epidem.com/pt/re/epidemiology/home.htm;jsessionid=JvZVXZyppg3yv6hGn7hKZKZQbnZ55yFy4BPGQgRtSmQhRHQ7wVXy!-628279283!181195628!8091!-1	5.283	2
International Journal of Epidemiology	http://ije.oxfordjournals.org/	5.151	6
Allergy	http://www3.interscience.wiley.com/journal/118519659/home	5.014	13
Pediatrics	http://pediatrics.aappublications.org/	4.473	1
Chest	http://www.chestjournal.org/	4.143	1
Clinical & Experimental Allergy	http://www3.interscience.wiley.com/journal/117999818/home	3.729	22
Archives of Pediatrics & Adolescent Medicine	http://archpedi.ama-assn.org/	3.7	1
Respiratory Research	http://respiratory-research.com/	3.622	1
American Journal of Public Health	http://www.ajph.org/	3.612	1
International journal of obesity and related metabolic disorders : journal of the International Association for the Study of Obesity	http://www.nature.com/ijo/index.html	3.56	1
British Journal of Dermatology	http://www.wiley.com/bw/journal.asp?ref=0007-0963&site=1	3.503	1
Toxicology Letters	http://www.elsevier.com/wps/find/journaldescription.cws_home/505519/description#description	2.826	1
Occupational Environmental Medicine	http://oem.bmj.com/	2.817	1
Archives of Disease in Childhood	http://adc.bmjournals.com	2.786	6
Medical Journal of Australia	http://www.mja.com.au/	2.537	2
Pharmacoepidemiology and drug safety	http://www3.interscience.wiley.com/journal/5669/home	2.475	1
Pediatric Allergy and Immunology	http://www.wiley.com/bw/journal.asp?ref=0905-6157	2.454	28
Health & place	http://www.elsevier.com/wps/find/journaldescription.cws_home/30519/description#description	2.367	1
European journal of clinical nutrition	http://www.nature.com/ejcn/index.html	2.326	1
Preventive medicine	http://www.elsevier.com/wps/find/journaldescription.cws_home/622934/description	2.314	1
Pediatric Pulmonology	http://www3.interscience.wiley.com/journal/39249/home	2.267	12
International Journal of Tuberculosis & Lung Disease	http://www.ingentaconnect.com/content/iatld/ijtltd	2.24	4
Respiratory Medicine	http://www.elsevier.com/wps/find/journaldescription.cws_home/623069/description#description	2.235	1
Annals of Allergy, Asthma & Immunology	http://oberon.annallergy.org/vl=128059/cl=13/nw=1/rpsv/home.htm	2.221	5
International Archives of Allergy & Immunology	http://content.karger.com/ProdukteDB/produkte.asp?Aktion=JournalHome&ProduktNr=224161	2.16	4
Respirology	http://www.wiley.com/bw/journal.asp?ref=1323-7799	1.847	3

European Journal of Epidemiology	http://www.springerlink.com/content/102883/	1.727	2
BMC public health	http://www.biomedcentral.com/bmcpublikealth/	1.633	1
Archivos de bronconeumologia	http://www.archbronconeumol.org/bronco_eng/ctl_servlet? f=1	1.563	1
International journal of biometeorology.	http://springerlink.metapress.com/content/100429/	1.562	2
International Journal of Occupational and Environmental Health	http://www.ijoeoh.com/index.php/ijoeoh	1.481	1
Acta Paediatrica	http://www.wiley.com/bw/journal.asp?ref=0803-5253	1.411	3
Scandinavian Journal of Work Environment & Health	http://www.sjweh.fi/	1.387	1
Pediatric Clinics of North America	http://www.pediatric.theclinics.com/	1.359	1
Medicina clinica	http://www.elsevier.es/revistas/ctl_servlet? f=7032&revistaId=2	1.337	3
Australian and New Zealand journal of public health	http://www.phaa.net.au/journal.php	1.335	1
Journal of Asthma	http://www.informaworld.com/smpp/title~content=t713597262	1.324	11
Journal of Investigational Allergology & Clinical Immunology	http://www.jiaci.org/index.htm	1.254	14
Rhinology	http://www.rhinologyjournal.com/	1.25	1
Journal of tropical pediatrics	http://tropej.oxfordjournals.org/	1.018	1
Allergy and Asthma Proceedings	http://www.oceansidepubl.com/aap/index.htm	0.978	3
Journal of Paediatrics & Child Health	http://www.wiley.com/bw/journal.asp?ref=1034-4810&site=1	0.896	2
Wiener Klinische Wochenschrift	http://link.springer-ny.com	0.885	2
Journal of Korean medical science	http://jkms.kams.or.kr/	0.824	1
Sozial- und Präventivmedizin	http://www.springerlink.com/content/109374/	0.818	2
Indian Paediatrics	http://indianpediatrics.net/	0.75	1
Annals of Tropical Paediatrics: International Child Health	http://www.ingentaconnect.com/content/maney/atp	0.737	3
Revue des Maladies Respiratoires	http://www.sciencedirect.com/science/journal/07618425	0.588	11
Revue d'épidémiologie et de santé publique	http://www.sciencedirect.com/science/journal/03987620	0.57	1
Asian Pacific Journal of Allergy & Immunology	www.allergythai.org	0.567	4
Medical Principles and Practice	http://content.karger.com/ProdukteDB/produkte.asp?Aktion=JournalHome&ProduktNr=224259	0.542	2
Acta clinica Belgica	http://www.actaclinicabelgica.be/	0.54	1
Anales de pediatria (Barcelona)	http://www.elsevier.es/revistas/ctl_servlet? f=7032&revistaId=37	0.372	5
Revista Medica de Chile	http://www.scielo.cl/scielo.php?script=sci_serial&lng=en&pid=0034-9887&nrm=iso	0.345	2
Revue française d'allergologie et d'immunologie clinique	http://www.sciencedirect.com/science/journal/03357457	0.241	1
Monatsschr Kinderheilkd	http://www.springerlink.com/content/0026-9298	0.151	1
Allergologia et Immunopathologia	http://www.elsevier.es/revistas/ctl_servlet? f=7032&revistaId=105		7
Allergy Hypersensitivity Asthma	No Website		1
Anales del sistema sanitario de Navarra	http://www.cfnavarra.es/SALUD/ANALES/default.html		1
Anales Espanoles de Pediatria	Continued by Anales de pediatria (Barcelona)		5
Atencion primaria	http://www.elsevier.es/revistas/ctl_servlet? f=7232&revistaId=27		1
Cadernos de Saúde Pública	http://www.scielo.br/scielo.php?script=sci_serial&pid=0102-311X&lng=en&nrm=iso		1
Child Pulmonology	No Website		4
Clinics	http://www.scielo.br/scielo.php?script=sci_serial&pid=1807-5932&lng=en&nrm=iso		1
East African Medical Journal	http://www.ajol.info/journal_index.php?jid=53		2

Epidemiologia e Prevenzione	http://www.epidemiologiaeprevenzione.it/cms/?q=node/4		4
Ethiopian medical journal	http://ethiopianmedicalassociation.com/default.asp		1
Georgian medical news	http://www.geomednews.org/		2
Gesundheitswesen	http://www.thieme-connect.com/ejournals/toc/gesu		1
International journal of chronic obstructive pulmonary disease	http://www.dovepress.com/articles.php?pa=overview&journal_id=6		1
Iranian Journal of Allergy, Asthma & Immunology	http://www.iaari.hbi.ir/journal/		2
Irish Medical Journal	http://www.imj.ie/		3
Jornal de Pediatria	www.scielo.br/jped		5
Journal Medical Libanais	http://www.lb.refer.org/jml/		1
Journal of the Medical Association of Thailand	http://www.mat.or.th/journal/all.php		1
Journal of the Royal Society of Health	http://rsh.sagepub.com/		1
La Tunisie médicale	http://www.tunimed.org.tn/		1
Leukotriene Research & Clinical Review	No Website		1
Maternal and child health journal	http://www.springerlink.com/content/105600/		1
Monaldi archives for chest disease	http://archest.fsm.it/pne/index.html		1
NZ Medical Journal	http://www.nzma.org.nz/journal/		4
Otolaryngologia polska	http://www.otolaryngologia.org.pl/orl2/otol_pol/teksty.php		1
Paediatric Respiratory Reviews	http://www.journals.elsevierhealth.com/periodicals/ypr/v/home		1
Pneumologia (Bucharest, Romania)	http://medscapecrm.net/medline/publicationbrowser/11304		1
Pneumologie	http://www.thieme-connect.de/ejournals/toc/pneumologie		1
Pneumonologia i Alergologia Polska	http://www.pneumonologia.viamedica.pl/		5
Przegląd Lekarski	http://wydplek.com.pl/content/view/12/52/		2
Revista alergía México	www.imbiomed.com.mx/1/1/articulos.php?id_revista=12		2
Revista da Associação Médica Brasileira	http://www.scielo.br/scielo.php?script=sci_serial&pid=0104-4230&lng=en&nrm=iso		1
Revista panamericana de salud pública = Pan American journal of public health	http://www.scielosp.org/scielo.php?pid=1020-4989&script=sci_serial		1
Salud Publica de Mexico	http://bvs.insp.mx/rsp/inicio/		2
The Journal of the Association of Physicians of India	http://www.japi.org/		1
Zhonghua er ke za zhi. Chinese journal of pediatrics	www.cma.org.cn		2
Zhonghua jie he he hu xi za zhi	www.cma.org.cn		1
Zhonghua yi xue za zhi	http://homepage.vghtpe.gov.tw/~cmj/index.htm		1

ISAAC Publications of worldwide analyses (updated April 2009)

ISAAC Phase One Publications (worldwide)

1.0 Preliminary Papers

- 1.1 ISAAC Phase One Manual. 2nd ed. Auckland and Münster: ISAAC Steering Committee, 1993.
- 1.2 Pearce NE, Weiland S, Keil U, Langridge P, Anderson HR, Strachan D, Bauman A, Young L, Gluyas P, Ruffin D, Crane J, Beasley R. Self-reported prevalence of asthma symptoms in children in Australia, England, Germany and New Zealand: an international comparison using the ISAAC written and video questionnaires. *Eur Resp J* 1993; 6: 1455-61. [241 citations]
- 1.3 Asher MI, Keil U, Anderson HR, Beasley R, Crane J, Martinez F, Mitchell EA, Pearce N, Sibbald B, Stewart AW, Strachan D, Weiland SK, Williams HC. International study of asthma and allergies in childhood (ISAAC): rationale and methods. *Eur Resp J* 1995; 8: 483-91. [856 citations]

2.0 Main Findings

- 2.1 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). *Paediatric Allergy Immunology* 1997; 8: 161-76. [209 citations]
- 2.2 ISAAC Steering Committee (Writing Committee: Beasley R, Keil U, Von Mutius E, Pearce N). Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis and atopic eczema: ISAAC. *Lancet* 1998; 351: 1225-32. [1489 citations]
- 2.3 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, 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: 125-38. [281 citations]
- 2.4 ISAAC Steering Committee (Writing Committee: Asher MI, Anderson HR, Stewart AW, Crane J). Worldwide variations in the prevalence of asthma symptoms: International Study of Asthma and Allergies in Childhood (ISAAC). *Eur Respir J* 1998; 12: 315-35. [489 citations]

3.0 Other Overview Papers

- 3.1 Asher MI, Weiland SK, on behalf of the ISAAC Steering Committee. The International Study of Asthma and Allergies in Childhood. *Clin Exper Allergy* 1998; 28 (suppl 5): 52-66. [88 citations]
- 3.2 Beasley R, Ellwood P, Asher I. International patterns of the prevalence of pediatric asthma the ISAAC program. *Pediatric Clinics of North America* 2003; 50(3):539-53. [31 citations]
- 3.3 Lai C, Pearce N. The contribution of ISAAC to the understanding of asthma. *Leukotriene Res & Clin Rev* 2001; 2: 1-4.
- 3.4 Mallol J, Asher MI, Williams H, Clayton T, Beasley R. ISAAC Findings in children aged 14 years: an overview. *Allergy Clin Immunol Int* 1999; 11: 176-82.
- 3.5 von Mutius E. Epidemiology of asthma: ISAAC—International Study of Asthma and Allergies in Childhood. *Pediatr Allergy Immunol* 1996; 7(9 Suppl): 54-6.

4.0 Ecologic Analyses

- 4.1 Anderson HR, Gupta R, Kapetanakis V, Asher MI, Clayton T, Robertson CF, Strachan DP, and the ISAAC Steering Committee. International correlations between indicators of prevalence, hospital admissions and mortality for asthma in children. *Int J Epidemiol* 2008; 37: 573-582. [2 citations]
- 4.2 Anderson HR, Poloniecki JD, Strachan DP, Beasley R, Björkstén B, Asher MI. ISAAC Phase 1 Study Group. Immunization and symptoms of atopic disease in children: results from the International Study of Asthma and Allergies in Childhood. *Am J Publ Health* 2001; 91: 1126-9. [60 citations]
- 4.3 Burr ML, Emberlin JC, Treu R, Cheng S, Pearce N, and the ISAAC Phase I Study Group. Pollen counts in relation to the prevalence of rhinitis and asthma in the International Study of Asthma and

- Allergies in Childhood (ISAAC). *Clin Exper Allergy* 2003; 33: 1675-80. [26 citations]
- 4.4 Ellwood P, Asher MI, Björkstén B, Burr M, Pearce N, Robertson CF and the ISAAC Phase One Study Group. Diet and asthma, allergic rhinoconjunctivitis and atopic eczema symptom prevalence: an ecological analysis of the International Study of Asthma and Allergies in Childhood (ISAAC) data. *Eur Respir J* 2001; 17: 436-43. [61 citations]
- 4.5 Foliaki S, Björkstén B, Kildegaard-Nielsen S, von Mutius E, Cheng S, Pearce N. Antibiotic sales and the prevalence of symptoms of asthma, rhinitis and eczema in 13-14 year old children: The International Study of Asthma and Allergies in Childhood (ISAAC). *Int J Epidemiol* 2004; 33: 558-63. [18 citations]
- 4.6 Mitchell EA, Stewart AW, on behalf of the ISAAC Phase One Study Group. The ecological relationship of tobacco smoking to the prevalence of symptoms of asthma and other atopic diseases in children: The International Study of Asthma and Allergies in Childhood (ISAAC). *Eur J Epidemiol* 2001; 17: 667-73. [14 citations]
- 4.7 Shirtcliffe P, Weatherall M, Beasley R, on behalf of the ISAAC Phase I Study Group. An inverse correlation between estimated tuberculosis notification rates and asthma symptoms. *Respirology* 2002; 7: 153-5. [14 citations]
- 4.8 Stewart AW, Mitchell EA, Pearce N, Strachan DP, Weiland SK, on behalf of the ISAAC Steering Committee. The relationship of per capita gross national product to the prevalence of symptoms of asthma and other atopic diseases in children (ISAAC). *Int J Epidemiol* 2001; 30: 173-9. [48 citations]
- 4.9 von Mutius E, Pearce N, Beasley R, Cheng S, von Ehrenstein O, Björkstén B, Weiland S, on behalf of the ISAAC Steering Committee. International patterns of tuberculosis and the prevalence of symptoms of asthma, rhinitis and eczema. *Thorax* 2000; 55(6): 449-453. [100 citations]
- 4.10 Weiland SK, von Mutius E, Hüsing A, Asher MI on behalf of the ISAAC Steering Committee. Intake of trans fatty acids and prevalence of childhood asthma and allergies in Europe. *Lancet* 1999; 353: 2040-41. [76 citations]
- 4.11 Weiland S, Hüsing A, Strachan DP, Pearce N, on behalf of the ISAAC Study Group and ISAAC Europe. Climate and the prevalence of symptoms of asthma, allergic rhinoconjunctivitis and atopic eczema in children. *Occup Environ Med* 2004; 61: 609-15. [41 citations]

Other Papers

- 5.1 Crane J, Mallol J, Beasley R, Stewart A, Asher MI, on behalf of the International Study of Asthma and Allergies in Childhood (ISAAC) Phase I study group. Agreement between written and video questions for comparing asthma symptoms in ISAAC. *Eur Respir J* 2003; 21: 455-61. [30 citations]
- 5.2 Pearce N, Sunyer J, Cheng S, Chinn S, Björkstén B, Burr M, Keil U, Anderson HR, Burney P, on behalf of the ISAAC Steering Committee and the European Community Respiratory Health Survey. Comparison on asthma prevalence in the ISAAC and the ECRHS. *Eur Resp J* 2000; 16: 420-6. [62 citations]

ISAAC Phase Two Publications (worldwide)

1.0 Preliminary Papers

- 1.1 Weiland SK, Björkstén B, Brunekreef B, Cookson WOC, von Mutius E, Strachan DP, and the ISAAC Phase II Study Group. Phase II of the International Study of Asthma and Allergies in Childhood (ISAAC II): rationale and methods. *Eur Respir J* 2004; 24: 406-412. [67 citations]

2.0 Main Findings

- 2.1 Wienmayr G, Weiland SK, Björkstén B, Brunekreef B, Büchele G, Cookson WO, Garcia-Marcos L, Gotua M, Gratziau C, van Hage M, von Mutius E, Riiikjäv M-A, Rzehak P, Stein RT, Strachan DP, Tsanakas J, Wickens K, Wong GW, and the ISAAC Phase Two Study Group. Atopic sensitization and the international variation of asthma symptom prevalence in children. *Am J Respir Crit Care Med* 2007; 176: 565-74. [30 citations]
- 2.2 Flohr C, Weiland SK, Weinmayr G, Björkstén B, Brabäck L, Brunekreef B, Büchele G, Clausen M, Cookson WOC, von Mutius E, Strachan DP, Williams HC, and the ISAAC Phase Two Study Group. The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. *J Allergy Clin Immunol* 2008; 121: 141-

7. [6 citations]
- 2.3 Weinmayr G, Forastiere F, Weiland S, Rzehak P, Abramidze T, Annesi-Maesano I, Björkstén B, Brunekreef B, Büchele B, Cookson WOC, von Mutius E, Pistelli R, Strachan DP, and the ISAAC Phase Two Study Group. International variation in prevalence of rhinitis and its relationship with sensitization to perennial and seasonal allergens. *Eur Respir J* 2008; 32: 1250-1261. [2 citations]
- 2.4 Gehring U, Strikwold M, Schram-Bijkerk D, Weinmayr G, Genuneit J, Nagel G, Wickens K, Siebers R, Crane J, Doekes G, Di Domenicantonio R, Nilsson L, Priftanji A, Sandin A, El-Sharif N, Strachan D, van Hage M, von Mutius E, Brunekreef B and the ISAAC Phase Two study-group. Asthma and allergic symptoms in relation to house dust endotoxin: Phase Two of the International Study on Asthma and Allergies in Childhood (ISAAC II). *Clin Exp Allergy* 2008; 38: 1911-1920. [0 citations]
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ISAAC Phase Three Publications (worldwide)

1.0 Preliminary Papers

- 1.1 Ellwood P, Asher MI, Beasley R, Clayton TO, Stewart AW and the ISAAC Steering Committee. International Study of Asthma and Allergies in Childhood (ISAAC II): Phase III rationale and methods. *Int J Tuberculosis Lung Dis* 2005; 9: 10-6. [51 citations]

2.0 Main Findings

- 2.1 Asher MI, Montefort S, Bjorksten B, Lai CKW, Strachan D, Weiland SK, Williams H, and the ISAAC Phase Three Study Group. Worldwide trends in the prevalence of symptoms of asthma, allergic rhinoconjunctivitis and eczema in childhood – ISAAC Phases and Three repeat multicountry cross-sectional surveys. *Lancet* 2006; 368: 733-43. [232 citations]
- 2.2 Pearce N, Ait-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 Three of the International Study of Asthma and Allergies in Childhood (ISAAC). *Thorax* 2007; 62: 757-62. [28 citations]
- 2.3 Björkstén B, Clayton T, Ellwood P, Stewart A, Strachan D, and the ISAAC Phase Three Study Group. Worldwide trends for symptoms of rhinoconjunctivitis: Phase Three of the International Study of Asthma and Allergies in Childhood. *Paediatric Allergy Immunol* 2008; 19: 110-24. [5 citations]
- 2.4 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. [2 citations]
- 2.5 N Ait-Khaled, N Pearce, H R Anderson, P Ellwood, S Montefort, J Shah, 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 Phase Three. *Allergy*. *Allergy* 2009; 64: 123-148. [1 citation]

3.0 Environmental Questionnaire Analyses

- 3.1 Beasley R, Clayton T, Crane J, von Mutius E, Lai CKW, Montefort S, Stewart A, and the ISAAC Phase Three Study Group. Association between paracetamol use in infancy and childhood, and risk of asthma, rhinoconjunctivitis and eczema in children aged 6 to 7 years: analysis from Phase Three of the ISAAC programme. *Lancet* 2008; 372: 1039-1048. [13 citations]

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