

GLOBAL

ASTHMA

NETWORK

NEWSLETTER – APRIL 2022

Dear Global Asthma Network colleagues and friends,

Welcome to our first newsletter for 2022. There has been a lot happening, reflected in news and announcements reported in this edition.

As the Covid-19 pandemic continues, we hope that you and your family are well and safe.

I am stepping down as Chair of GAN in 1 October 2022, reflecting retirement from my clinical academic position at the University of Auckland in September 2020. It has been a privilege to serve with you, through the work of GAN, those with asthma throughout the world. GAN will be in good hands with Co-Chairs Professors Kevin Mortimer and Refiloe Masekela.

Professor David Strachan is retiring from his university role and his GAN Steering Group role. Congratulations go to Elvis Ndikum for his work on climate change, see page 5.

The Global Asthma Report 2022 is in the final stages of editing. It will be launched in November 2022 at the time of the Union's World Conference on Lung Health.

We encourage you to keep sending us GAN related publications so that Eamon Ellwood can put these here in the searchable <http://www.globalasthmanetwork.org/publications/publications.php> GAN website library.

Pleasingly several worldwide GAN articles are already published or in press, and more are planned. All of the GAN Phase I Study Group members for each paper are co-authors. We realise it is timely to update and clarify the GAN publication policy for our collaborators. Professor Neil Pearce has summarised the policy on pages 7-8 and this will be added to the GAN website soon.

GAN was established in 2012, so that we are 10 years old this year! (and about 30 years since ISAAC was founded). There will be some activities to mark this milestone, and we welcome ideas.

With all best wishes from the GAN Global Centre, Auckland.

Innes
Professor Innes Asher ONZM,
Chair of GAN

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Sub editor - P Ellwood

GAN Chair steps down

Professor Innes Asher is stepping down as the Chair of GAN in October this year.

We are sad to see her relinquish this role which she has had since GAN began in 2012. Prior to this Innes was the Chair of ISAAC which began in 1991. Innes has been an exceptional leader and has overseen three phases of ISAAC and GAN Phase I. Additionally 4 Global Asthma Reports have been produced. There have been 668 publications resulting from the work of ISAAC and for GAN there are 41 so far. We are going to miss you very much, however we are very glad that you are remaining as a member of the GAN Steering Group in the meantime.



We take this opportunity to welcome, from October, our Co-Chairs of GAN and introduce you to Professor Kevin Mortimer and Associate Professor Refiloe Masekela



Professor Mortimer's affiliation is the Department of Medicine, University of Cambridge, Department of Respiratory Medicine, Liverpool University Hospitals NHS Foundation Trust, United Kingdom

Professor Masekela's affiliation is the Department of Paediatrics and Child Health, Nelson R Mandela School of Clinical Medicine, College of Health Sciences, University of KwaZulu Natal, Durban, South Africa

We welcome you both to the role of Co-Chairs. The Global Asthma Network is very fortunate to have you as its new leaders.

Announcing the
Retirement of:

Professor David Strachan

GAN Steering Group member and founding member of the ISAAC Steering Committee

WE ARE GOING TO MISS YOU VERY MUCH!!!!



Professor Strachan has been a member of the Global Asthma Network (GAN) Steering Group since 2012. Prior to this, he was a founding member of the International Study of Asthma and Allergies in Childhood (ISAAC) which began in 1991 with a meeting in Bochum, Germany and he led the ISAAC Phase II Study Group from 2007, following the untimely death of Professor Stephan Weiland.

Professor Strachan was Professor of Epidemiology at St Georges Hospital Medical School, London, UK from 1990 to 2022 and retains an emeritus chair there following his retirement.

Professor Strachan's research interests include the natural history of respiratory disease from early childhood to adult life, time trends in asthma and allergy, and environmental influences on respiratory and allergic disease, including indoor air quality, aeroallergens and outdoor air pollution. Professor Strachan has also been involved in studies of chronic infections and cardiovascular disease. He was one of six members of the ISAAC Phase II Study Group which involved 22 countries.

We include below, a contribution for our GAN collaborators from David in his role of satirist!!

<p>What Is This Thing Called Love? (from "Wake Up and Dream") Songwriter: Cole Porter © Warner/Chappell Music, Inc</p> <p>I was a humdrum person, Leading a life apart, When love flew through my window wide And quickened my hum-drum heart. Love flew in through my window, I was so happy then, But after love had stayed a little while Love flew out again.</p> <p>What is this thing called love? This funny thing called love? Just who can solve its mystery? Why should it make a fool of me? I saw you there one wonderful day, You took my heart and threw it away. That's why I ask the Lord in Heaven above What is this thing called love?</p> <p>You gave me days of sunshine, You gave me nights of cheer, You made my life an enchanted dream 'Til somebody else came near. Somebody else came near you, I felt the winter's chill And now I sit and wonder night and day Why I love you still?</p>	<p>What Is This Thing Called Asthma? (from "Wake Up and Wheeze") Satirist: David Strachan © No rights reserved!</p> <p>I had a chesty childhood, Leading a life apart, Then doctors took my mum aside And quickened my hum-drum heart. Asthma was the diagnosis, I was so happy then, As helped by my two inhalers I breathed out free again.</p> <p>What is this thing called asthma? They say it's much like love. Just who can solve its mystery? Why should it make a fool of me? I fell for it one wonderful day, It caught my breath and took it away. That's why I ask the Lord in Heaven above What is this thing called love?</p> <p>Those were my days of sunshine, Those were my nights of cheer, Inhalers made my life a dream 'Til something else appeared. I'm now an old bronchitic Who feels the winter's chill And now I sit and wonder night and day Is it asthma still?</p>
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Congratulations to:

Achiri Elvis Ndikum, from the Association for the Promotion of Youth Leadership, Advocacy and Volunteerism Cameroon (APYLAV), in Cameroon, who received an email from Tessa Bartholomew-Good, Campaign Lead- Clean Air Programmes, in conjunction with the United Nations Convention on the Rights of the Child. We include an excerpt of the email below.

From: Tessa Bartholomew-Good Date: Wed, Mar 9, 2022 at 2:07 PM
Subject: Freedom to Breathe phase 2 - Cameroon

“Dear Elvis,

Last September, you contacted us to let us know about your involvement with the Freedom to breathe (Ftb) campaign - and shared the fantastic work you did with the 600 students as well as the 1,000 students you spoke with at St. Stephen International College and Franky Comprehensive Secondary School in Yaoundé.

We're excited to update you, as the next phase of this will be to deliver a focussed campaign to work to ensure clean air is represented in [General Comment 26 \(GC26\)](#) "*Children's rights and the environment with a special focus on climate change*". In summary, GC26 is a consultation process which is run by the UN Convention on the Rights of the Child and will shape one of the next amendments to children's rights. The initial consultations have started, and the process and outputs are expected to be finalised in 2023.

We have a unique opportunity to work with the young people involved in the first phase of the Ftb campaign and feedback on GC26. In addition, we have been invited by the UNCRRC's "Children's Rights to a Healthy, Safe and Sustainable Environment in the Midst of the Climate Crisis" International Conference (online) on 6 May 2022, to showcase some of the work from Ftb.

Having seen your enthusiasm with the campaign to date, along with the excellent and very moving pieces of work that you shared from the students, we'd very much like for yourself and the young people in Cameroon to be represented in the campaign and to work with you more closely”

This is a great achievement Elvis. Congratulations from GAN

GAN PUBLICATION UPDATE

GAN Phase I update – Philippa

Publication of the GAN Phase I papers are well underway. Those of you involved in these papers receive a draft copy for your input prior to publication.

GAN investigators who have contributed completed and checked data to GAN worldwide publications and reviewed that paper are named in each publication. This is by being included in the group authorship for that paper: “and the Global Asthma Network Study Group”. This means that they appear as authors on a Pub Med search

I would again like to thank you all for your assistance in the data and centre report checking process. While we understand that the COVID-19 pandemic, despite your best efforts, prevented some of you from being included in the worldwide data set, we hope that you are able to publish your data as an individual study (or with other centres in your country). If you are not part of the GAN Phase I worldwide collaboration, do please ensure that you do not use GAN in the title of your manuscript; instead in the methods section state that you used the GAN methodology. This will avoid any confusion for the journals when it comes to publishing your data.

It is a pleasure working with you all and I wish you all the best for the rest of this year. Take care and keep safe.

With all best wishes, Philippa

Recent Publications:

Note Editorial <https://doi.org/10.1111/pai.13729> on “Strachan DP, Rutter CE, Asher MI, Bissell K, Chiang C-Y, El Sony A, Ellwood E, Ellwood P, Garcia-Marcos L, Marks GB, Morales E, Mortimer K, Pearce N, Perez-Fernandez V, Robertson S, Silverwood RJ, Global Asthma Network Phase I Study Group. *Worldwide time trends in prevalence of symptoms of rhinoconjunctivitis in children: Global Asthma Network Phase I*. *Pediatr Allergy Immunol* 2021;00:1–12 <https://doi.org/10.1111/pai.13656>”.

Alomary SA, Al Madani AJ, Althagafi WA, Adam IF, Elsherif OE, Al-Abdullaah AA, Al-jahdali H, Jokhdar HA, Alqahtani SH, Nahhas MA, and Alfawaz RA. *Prevalence of asthma symptoms and associated risk factors among adults in Saudi Arabia: A national survey from Global Asthma Network Phase I*. *World Allergy Organization Journal* (2022) 15:100623. doi: 10.1016/j.waojou.2021.100623.

Antonogeorgos G, Priftis KN, Panagiotakos DB, Ellwood P, Garcia-Marcos L, Liakou E, Koutsokera A, Drakontaeidis P, Moriki D, Thanasia M, Mandrapylia M, and Douros K. *Exploring the relation between atopic diseases and lifestyle patterns among adolescents living in Greece: Evidence from the Greek Global Asthma Network (GAN) cross-sectional study*. *Children* 2021; 8(10): 932.

Baard CB, Franckling-Smith Z, Munro J, Workman L, Zar HJ. *Asthma in South African adolescents: a time trend and risk factor analysis over two decades*. *ERJ Open Res.* 2021;7(2):00576-2020. doi: 10.1183/23120541.00576-2020. eCollection 2021 Apr.

Behniafard N, Nafei Z, Mirzaei M, Karimi M, Vakili M. *Prevalence and Severity of Adolescent Asthma in Yazd, Iran: Based on the 2020 Global Asthma Network (GAN) Survey*. Iran J Allergy Asthma Immunol. 2021 11;20(1):24-32. doi: 10.18502/ijaa.v20i1.5410.

Chiang C-Y, Ellwood P, Ellwood E, García-Marcos L, Masekela R, Asher I, Badellino H, Bercedo Sanz A, Douros K, El Sony A, González Diaz C, Albi Rodríguez MS, Moreno-Salvador A, Pérez-Martini LF, Rosário Filho N, Shpakou A, Sulaimanov S, Tavakol M, Valverde-Molina J, Yousef AA, Pearce N, The GAN COVID Study Group. *Infection with SARS-CoV-2 among children with asthma: evidence from Global Asthma Network*. Pediatr Allergy Immunol. 2022;33:e13709. doi:10.1111/pai.13709.

Del-Río-Navarro BE, Berber A, Reyes-Noriega N, Navarrete-Rodríguez EM, García-Almaráz R, Mérida-Palacio JV, Ellwood P, García-Marcos Álvarez L. *Have asthma symptoms in Mexico changed in the past 15 years? Time trends from the International Study of Asthma and Allergies in Childhood to the Global Asthma Network*. Allergol et Immunopathol. 2021;49(1):1-10.

García-Almaraz R, Reyes-Noriega N, Del-Río-Navarro BE, Berber A, Navarrete-Rodríguez EM, Ellwood P and García Marcos Álvarez L. *Prevalence and risk factors associated with Allergic Rhinitis in Mexican School Children: Global Asthma Network Phase I*. World Allergy Organization Journal (2021) 14:100492 <http://doi.org/10.1016/j.waojou.2020.100492>.

García-Marcos L, Asher MI, Pearce N, Ellwood E, Bissell K, Chiang C-Y, El-Sony A, Ellwood P, Marks GB, Mortimer K, Martínez-Torres A, Morales E, Pérez-Fernández V, Robertson S, Rutter C, Silverwood RJ, Strachan D. *The burden of asthma, hay fever and eczema in children in 25 countries. GAN Phase I study*. Eur Respir J 2022 Feb 10;2102866. doi: 10.1183/13993003.02866-2021. Online ahead of print.

Mortimer K, Lesosky M, García-Marcos L, Innes Asher M, Pearce N, Ellwood E, Bissell K, El Sony A, Ellwood P, Marks GB, Martínez-Torres A, Morales E, Perez-Fernandez V, Robertson S, Rutter CE, Silverwood RJ, Strachan DP, Chiang CY; Global Asthma Network Phase I Study Group. *The burden of asthma, hay fever and eczema in adults in 17 countries: GAN Phase I study*. Eur Respir J. 2022 Feb 24:2102865. doi: 10.1183/13993003.02865-2021. Epub ahead of print. PMID: 35210319

GAN publications policy

April 2022

Official GAN publications

We have already published a large number of GAN Phase I papers, with all of the GAN Phase I Study Group members for each paper being co-authors. There are several additional papers that we plan to prepare and publish during the next year. These include:

- Comparison of findings for adults and children in the same families
- Health resource usage for asthma by locality
- Childhood risk factors for asthma, rhinitis and eczema
- Adult risk factors for asthma, rhinitis and eczema

Likely it will take at least another year to complete these papers and have them accepted for publication, i.e. April 2023.

At the GAN Data Centres, we are committed to helping to finish these final papers. As usual, all of the GAN Phase I Study Group members for each paper will be co-authors.

Making data available in general

In the Lancet GAN Phase I paper, we state that “The GAN Phase I data, including de-identified individual participant data, will be made available on the GAN website within 12 months of the publication of all GAN Phase I analyses. Access will require a formal request through the website, a written proposal, and a signed data access agreement.”

At the GAN Data Centres, we are committed to assembling and documenting this final data set.

Non-official GAN publications

The centre-level data is available online as appendices to the papers published to date, and anyone, including GAN Centre investigators, can access and analyse this. Similarly, once the individual-level data set is available (some time during April 2023 to March 2024), anyone, including GAN Centre investigators, can access this with agreement and produce publications. However, these would not be official GAN publications, and would not be “on behalf of the GAN Phase I Study Group”.

Should there be more official GAN publications?

That leaves the issue as to whether there should be any more official GAN publications, e.g. with a Writing Group, and co-authorship by the GAN Phase I Study Group. A couple of centre investigators have suggested topics (e.g. analyses of specific risk factors) for these and asked for help in writing them.

A few general points are:

- We have no time or resources at the GAN Data Centres to support any further papers, at this stage. Our priority is to finish the papers that are already planned
- If further official GAN papers are prepared in future, such papers will need to have a formal Writing Group, approved by the GAN Steering Group, and with co-authorship by the GAN Phase I Study group for that paper.
- No additional papers should interfere with the papers we already have planned, e.g. a paper on smoking (at the individual or centre level) should not be published until we have completed the overall childhood and adult risk factor papers, as these include smoking analyses. Thus, until this has been done (March 2023), we are unable to support any additional risk factor papers. The only possible exceptions to this are papers on risk factors that are not included in the GAN Phase I environmental questions.

For these reasons:

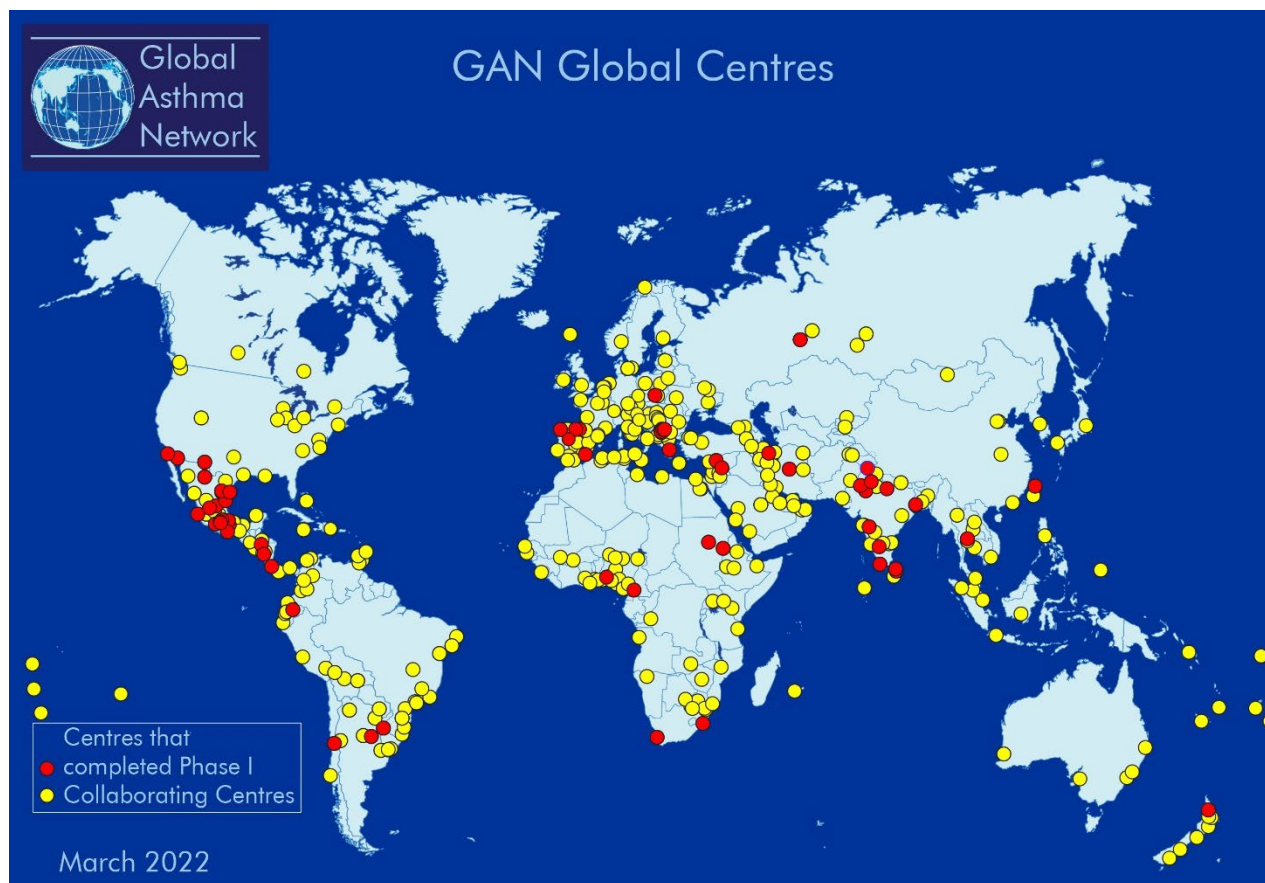
- We don't plan for any more official GAN Phase I papers until after March 2023, i.e. until we have finished the existing GAN Phase I papers
- We will consider proposals for further official GAN Phase I papers to be prepared after that date, but this is dependent on approval by the GAN Steering Group, and on the relevant resources being available

Neil Pearce
GAN Publications Coordinator

Global Asthma Report (GAR) 2022

The GAR 2022 is well on track for publication in 2022. Several chapters will include excerpts of GAN papers already published prior to GAR 2022. The final draft version of the 2022 GAR was circulated to the GAR authors on the 1st April. Comments are due back by Thursday 21st April 2022. Thank you to those of you that have participated.

Global Asthma Network Centres April 2022 386 centres in 138 countries



Africa

Angola

Luanda

Botswana

*Gaborone

Cameroon

*Douala

*Bafoussam

*Yaounde

*Buea

Ethiopia

*Addis Ababa

Mekelle

*Nekemte

The Gambia

Fajara

Ghana

Kumasi

*Accra

Kenya

Eldoret

*Nairobi

Malawi

Blantyre

Namibia

*Oshana

Nigeria

*Ibadan

Ife

*Maiduguri

*Lagos

Kano

*Gusau

*Enugu

Owo

Benin City

*Gwagwalada

Sokoto

*Okrika Rivers

State

Senegal

Dakar

Sierra Leone

*Freetown

Somalia

*Hargeisa

South Africa

Polokwane

*Cape Town

Ekurhuleni

*Pretoria

*Durban

Sudan

*Khartoum

*Gadaref

Eswatini

*Manzini

*Mbabane

Tanzania

*Dar es Salaam

Uganda

Kampala

*Nansana

Zambia

Lusaka

*Lusaka (2)

Zimbabwe

*Zimbabwe

Egypt

Cairo

Alexandria

Cairo-Castle

Algeria

Wilaya of Algiers

Blida

Bab El Oued

*Annaba

Benin

Cotonou

Sèmè Podji

Burkina Faso

Bobo-Dioulasso

Congo, Dem. Rep.

*Kinshasa

Libya

Tripoli

Benghazi

Mali

Bamako

Mozambique

Maputo

*Maputo (2)

Reunion Island

Reunion Island

Togo

Lome

Tunisia

Ariana

Tunis

Asia-Pacific

Hong Kong

Hong Kong

China

Beijing

Hefei

Tayuan

Indonesia

Bandung

North Sumatera

Palangkaraya

Japan

Fukuoka

Tochigi

Korea, South

Seoul

Lao PDR

Lao PDR

Malaysia

Klang Valley

Kota Bharu
Mongolia
 Ulaanbaatar
Philippines
 Metro Manila
Singapore
 *Singapore
Taiwan
 *Taipei
 Tainan
Thailand
 *Bangkok
 Chantaburi
 *Chiang Mai
 Khon Kaen
Vietnam
 Ho Chi Minh

Eastern Mediterranean
Iran
 *Ahvaz
 *Yazd
 Tehran
 Rasht
 Birjand
 Bushehr
 Zanjan
 *Karaj
 *Sari
 *Hamadan
 *Mashhad
 *Kashan
 *Sanandaj
 *Tabriz
Israel
 Israel
Jordan
 Amman
 Jerash
 Irbid
Kuwait
 *Kuwait
Malta
 Malta
Pakistan
 Islamabad
 Peshawar
 Hyderabad
 *Multan
Palestine
 Ramallah
 North Gaza
Qatar
 *Qatar
Kingdom of Saudi Arabia
 Abha
 Alkhobar
 Madinah
 *Kingdom of Saudi Arabia
 Jeddah
Oman
 Al-Khod
 Muscat
Syrian Arab Republic
 Aleppo
 *Lattakia
 *Damascus
United Arab Emirates
 Sharjah
 Al Ain

Indian Subcontinent
Bangladesh

Dhaka
 Sylhet
India
 *Kottayam
 *New Delhi
 *Chandigarh
 *Bikaner
 *Jaipur
 Chennai
 Mumbai (7)
 *Lucknow
 Orissa
 Kolkata (10)
 Mumbai (11)
 Vellore
 *Bangalore
 Kolkata (14)
 Aligarh
 Bijapur
 Mangalore
 Jodhpur
 *Kolkata (19)
 *Pune
 *Mysuru
Maldives
 *Malé
Nepal
 *Kathmandu
Sri Lanka
 Colombo
 *Peradeniya
 *Anuradhapura

Latin America & Caribbean

Argentina
 Buenos Aires
 *Salta
 *Mendoza
 Buenos Aires (2)
 *Corrientes
 *San Francisco
 *Córdoba Ciudad
 *Buenos Aires (3)
Barbados
 *Barbados
Bolivia
 *Santa Cruz
 *Cochabamba
 *La Paz
Brazil
 São Paulo South
 Porto Alegre
 Recife
 Belo Horizonte
 Rio de Janeiro
 Brasília
 *Passo Fundo
 *Maceió
 Curitiba
 *Feira de Santana
 *Santo André
 Pelotas
 *Uruguaiana
Chile
 Valdivia
 Santiago
Colombia
 Cali
 Bogotá
 Barranquilla

Bucaramanga
 *Santa Marta
 *Medillin
Costa Rica
 *Costa Rica
Ecuador
 Quito
 Guayaquil
 Esmeraldas
 *Samborondón
 *Cumbayá
El Salvador
 San Salvador
Guatemala
 *Guatemala
Honduras
 San Pedro Sula
 *Tegucigalpa
Mexico
 *Monterrey
 *Mexico City North
 *Guadalajara
 *Mexicali
 *Ciudad Victoria
 Villahermosa
 *San Luis Potosí
 *Tijuana
 *Toluca (1)
 *Toluca (2)
 Querétaro
 Durango
 *Chihuahua
 Mexico City Central
 Mexico City South
 East
 *Oaxaca
 San Cristobal de las Casas
 *Ciudad Juárez
 *Michoacán
 *Xalapa
 *Córdoba
 *Puerto Vallarta
 Nuevo Laredo
 *Mérida
 Hermosillo Sonora
 Mexico City South West
 *Aguascalientes
 Mexico City East
 *Guanajuato
 *Culiacan
 Puebla Pue
 *Matamoros
 Veracruz
Nicaragua
 Matagalpa
 *Managua
Panama
 David-Panamá
 Panamá City
Paraguay
 *San Lorenzo
Peru
 Lima
 Tumbes
 Puno
Uruguay
 *Montevideo
Bahamas
 Bahamas
Dominican Republic
 *Santo Domingo

Grenada
 Grenada
Jamaica
 Kingston
Trinidad and Tobago
 *St Augustine
 *Tobago

North America

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 Dallas
 Virginia
 *Utah
 Hartford

Northern and Eastern Europe

Albania
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 Lezhë
Armenia
 *Yerevan
Belarus
 Grodno
Bosnia and Herzegovina
 Prijedor
Bulgaria
 *Sofia
Croatia
 *Rijeka
Czech Republic
 Prague/Pilsen
Denmark
 *Copenhagen
Finland
 Helsinki
Georgia
 Tbilisi
 Kutaisi
Hungary
 Szeged
 Szigetvár
Kosovo
 *Prishtina
 *Mitrovica
 *Gjakova
 *Peja
 *Prizren
 *Gjilan
 *Ferizaj
Kyrgyz Republic
 Bishkek
 *Jalalabat
Latvia
 Riga
Macedonia
 Skopje

Norway
 Oslo
 Tromsø
Poland
 Kraków
 Poznan
 *Katowice
 Warsaw
Romania
 Cluj-Napoca
 Bucharest
Russia
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 *Tomsk
 *Tyumen
 *Tobolsk
Serbia
 Belgrade
 Novi Sad
 Indjija
Slovenia
 Golnik
Sweden
 Lund
Ukraine
 Kharkiv
 Rural Kharkiv
 *Ternopil
 *Zaporizhzhia
Turkey
 Ankara
 Istanbul
 *Pendik
Faroe Islands
 Faroe Islands

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 Newcastle
 Adelaide
 *Perth
 Brisbane
Fiji
 Suva
French Polynesia
 Polynésie française
New Caledonia
 Nouvelle-Calédonie
New Zealand
 *Auckland
 *Wellington
 Bay of Plenty
 Hawke's Bay
 *Waikato
 Christchurch
 Otago
 Whakatane
Niue
 Niue Island
Palau
 Republic of Palau
Samoa
 Apia
Solomon Islands
 Honiara
Tokelau
 Tokelau
Tonga
 Nuku'alofa
Tuvalu
 Funafuti
Vanuatu

Port Vila

Western Europe

Austria

Salzburg
Urfahr-umgebung

Belgium

Antwerp

Channel Islands

Guernsey

Cyprus

Nicosia

France

Marseille

* = **Centre is registered**

Bordeaux

West Marne

Créteil

Germany

Munich

Greece

*Athens

Thessaloniki

Crete

Ireland

Ireland

Italy

Roma

Palermo

Firenze

Trento

Ascoli Piceno

Empoli

Florence

Bari

Netherlands

Utrecht

Zwolle

Leiden

Portugal

*Lisboa

Spain

*Cartagena

*Barcelona

Castellón

*San Sebastián

Málaga

*Valencia

Sevilla

Cádiz

Asturias

Madrid

*Salamanca

*Cantabria

*La Coruña

*Bilbao

Mar Menor

Toledo

Girona

*Pamplona

Switzerland

*Bern

United Kingdom

Birmingham

Vatican City

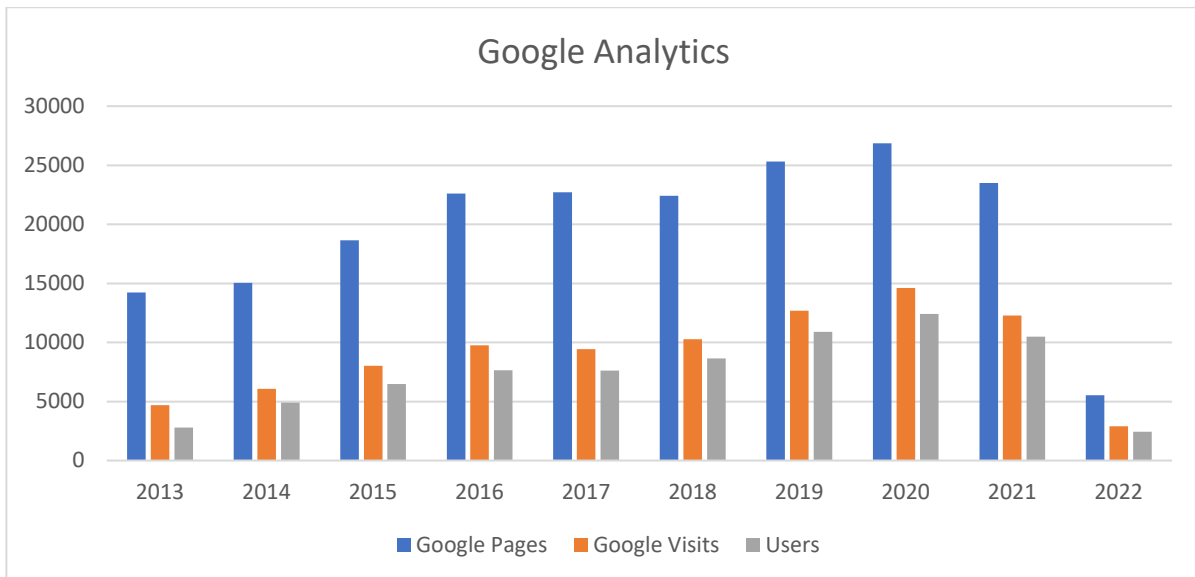
*Vatican City

Global Asthma Network Website Report – April 2022

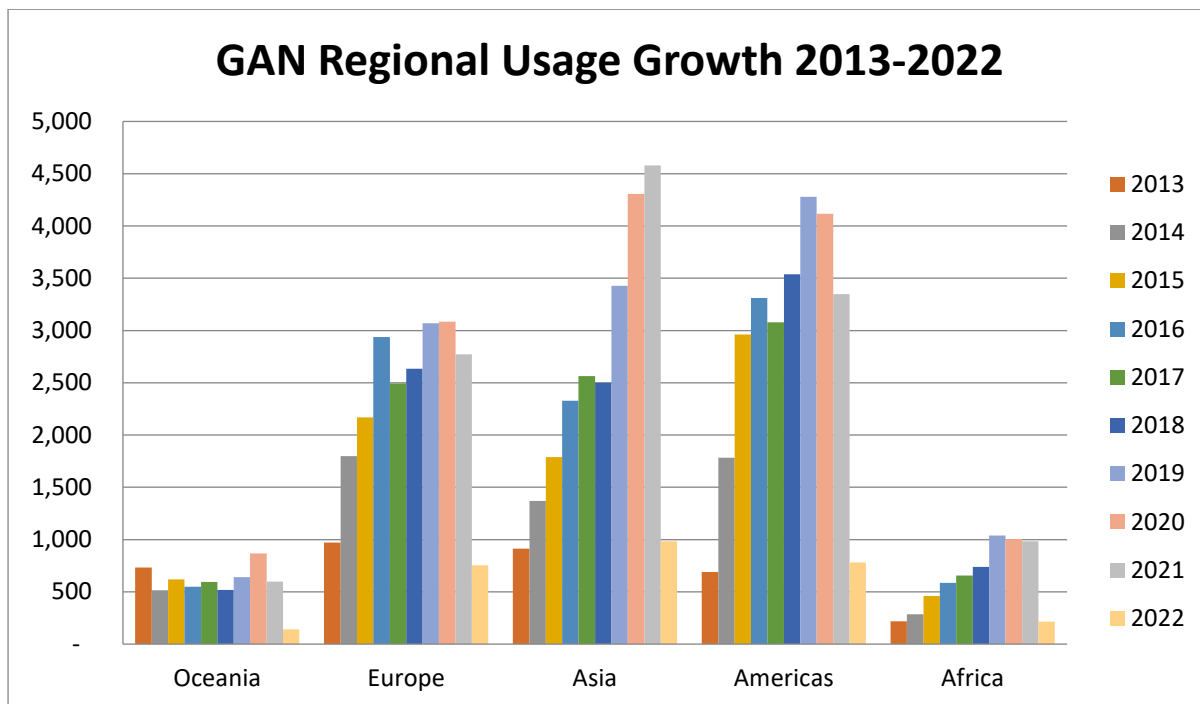
The [Global Asthma Network website](#) is intended to be the main channel for the dissemination of information. It includes information of use to collaborators in the Global Asthma Network, such as [upcoming conferences and symposiums](#), [asthma management guidelines](#) and the latest [asthma related news](#). The website also provides all the surveillance tools including the GAN Manual, Rationale and Methods and Registration and Centre Report forms, as well as all GAN publications. Please send us anything you recommend for the website

Website Statistics

Website usage has continued to show steady growth, as can be seen in the stats below, with seasonal dips in July and January



Website usage has continued to steadily increase in all regions, with Asia showing most growth. Africa is growing steadily.



Publications

The publications page of the website has been the most viewed page of the website since December 2021. All GAN Publications are added to the GAN searchable database (<http://globalasthmanetwork.org/publications/publications.php>) as they are published. If your centre has published data, we would appreciate a copy or link to your paper so we can add it to this database

Asthma Management Guidelines Update

The management guidelines section has been recently updated and continues to see increased usage. This is being driven mainly by the Italian, Columbian, Peruvian and Bosnian guidelines. Guidelines for over 20 different countries are being downloaded each month. We have updated many of these in 2020 and 2021, however there are still out-dated entries. We would appreciate you looking at this section

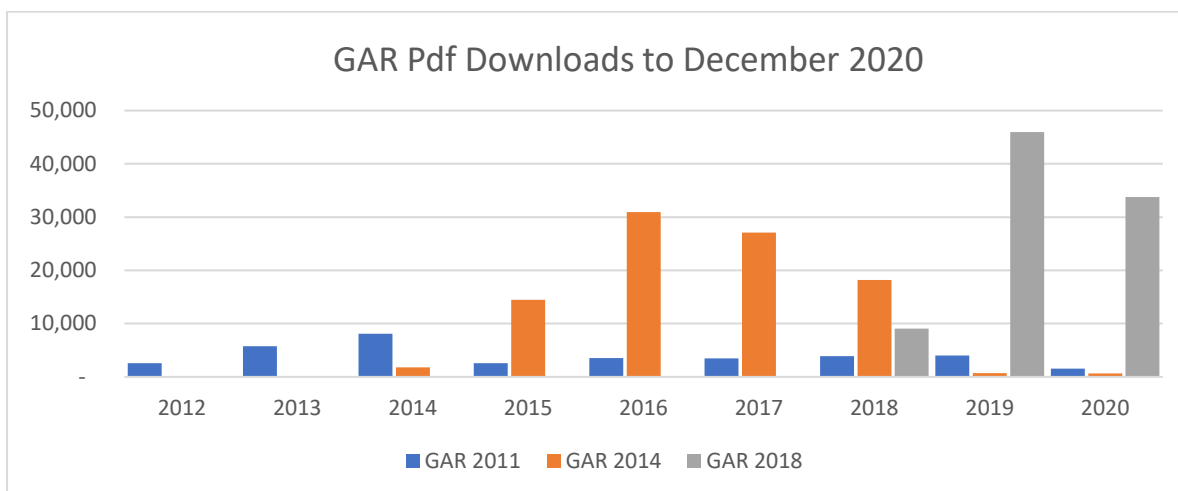
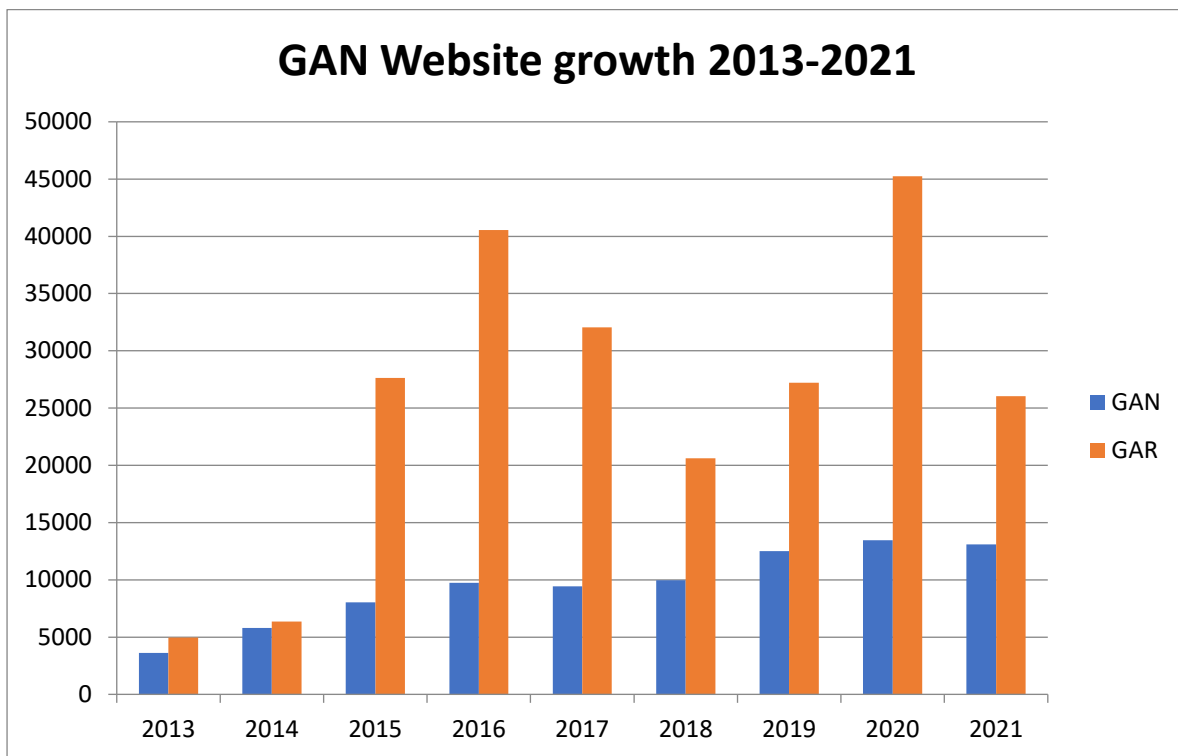
<http://www.globalasthmanetwork.org/management/management.php>

and sending to us any new asthma guidelines you know of, especially for your country, locality or region. Kindly send these to info@globalasthmanetwork.org

Global Asthma Reports (GAR) 2011, 2014, 2018

We have temporarily lost access to the statistics for the pdf downloads in 2021. However, at the end of 2020 the three GARs had been downloaded over 220,000 times and the GAR 2018 was being downloaded on average 2500 times per month. The continued high demand and growing global recognition of the Global Asthma Reports is heartening. Usage of the website

has dropped in 2021, however this follows the pattern of previous GARs and we expect usage to increase again with the launch of the GAR 2022 next year.



Social Media

The Global Asthma Network is on [Twitter](#) and is gaining more followers regularly. We now have 352 followers. Follow us at [@GlobalAsthmaNet](#). All Global Asthma Network tweets are included as an extension of the [news section](#). News items are tweeted, as well as pertinent asthma related information. Please send us news items!