

Global Task Force for Paediatric Musculoskeletal Health



Welcome to our Hub!

Through sharing and networking, the Task Force aim is 'working better together' to enable more equitable and better care for children and young people around the world.

Who we are

We are a virtual global community open to all.

We acknowledge the importance of musculoskeletal health and well-being for all children and young people with benefits extending into adulthood.

Our Mission: All children and young people around the world have the right to achieve optimal musculoskeletal health in a safe and respectful environment. All children and young people with musculoskeletal conditions have the right to equitable access to the right care to optimise their quality of life.

[More information](#) >

Twitter Feed

Stay up to date by following us on Twitter

Tweets from
@paedmskglobal

[Follow on Twitter](#)



Awareness

Here we include key initiatives to raise awareness about paediatric musculoskeletal conditions and advocate for change to address unmet needs.

[Find out more](#) >



Models of Care

Here we share exemplar models of care from around the world. Many have transferable value to other contexts: 'Act Local Think Global'.

[Find out more](#) >



Learning Zone

Here we include e-resources to promote learning about paediatric musculoskeletal medicine and signpost to opportunities for training.

[Find out more](#) >



Global Networks

Here we signpost to networks and societies around the world. 'If you want to go far go it alone, if you want to go further, go together (African Proverb).

[Find out more](#) >



Guidelines Reports and e-Newsletters

Here we signpost to outputs from our Task Force including our e-Newsletters. We also highlight useful resources around guidelines, policy and recommendations. Please share !

[Find out more](#) >

<https://www.pmskglobal.com>

Paediatric Global Musculoskeletal Task Force

- **Founded in 2018 (led by Helen Foster): Global Alliance for Musculoskeletal Health (G-MUSC) & aligned to WHO strategy**
 - Promoting investment in MSK health: 'a call to action'
 - Breadth of 'musculoskeletal' – rheumatology, orthopaedics
 - Life course approach: many adult MSK morbidities have origins in childhood
- **Joined forces PReS Global Task Force (led by Chris Scott) June 2019**
- **A Global Community with a shared vision to improve MSK health for all children**
 - **Promotion** : Awareness of unmet need
 - **Prevention** : Obesity, road safety, accidents & injuries, promote healthy lifestyle (diet, exercise)
 - **Treatment** : Equitable access to 'right' care





- **Co-Chairs (2023)**
 - Chris Scott (paed rheum), Claudia Saad Magalhees (paed rheum)
 - Helen Foster (Founder Co-Chair paed rheum),
 - Matthew Dobbs (paed ortho), Carl Johan Tiderius (paed ortho)
- **Links with multiple associations & networks**
 - Rheumatology, orthopaedics, family groups & charities
 - PReS, APLAR, PAFLAR, PANLAR, WOC, WORD-Day
 - WHO - Essential Medicines List, MSK Rehabilitation guidelines
- **Open global community, social media, e-Newsletters**

- Twitter LinkedIn FaceBook
- Website: <https://www.pmskglobal.com>
- e-Newsletters disseminated via PReS and available <https://www.pmskglobal.com/guidelines-reports-e-newsletters/>
- Regional networks (e.g APLAR SIG, PAFLAR, PANLAR, ANZPRG, ArLAR, PReS)
- **E-Newsletter contributions are very welcome !**

Twitter @paedmskglobal



Claudia Saad Magalhaes (Brasil)



Chris Scott (South Africa)



Helen Foster (UK)



Matt Dobbs (US)



Carl Johan Tiderius (Sweden)



Global Task Force and PMM Editorial Board meeting Prague 2022
First 'face to face' since 2019

‘Working better together’

- Networking & information sharing hub
- Inspiring & supporting
- Addressing challenges with real action
- Advocating & giving a voice



**“If you want to go fast, go alone.
If you want to go far, go together” - African
proverb**



Global Task Force Steering Committee with members from around the world
(*rheumatology, orthopaedics, allied health, parent advocates*)

<https://www.pmskglobal.com/about-us/>



ELSEVIER

Contents lists available at ScienceDirect

Best Practice & Research Clinical Rheumatology

journal homepage: www.elsevierhealth.com/berh



<https://doi.org/10.1016/j.berh.2020.101566>

Improving musculoskeletal health for children and young people – A ‘call to action’

Helen E. Foster^{a,*}, Christiaan Scott^b, Carl J. Tiderius^c,
Matthew B. Dobbs^d, Members of the Paediatric Global
Musculoskeletal Task Force

Foster et al. *Pediatric Rheumatology* (2020) 18:60
<https://doi.org/10.1186/s12969-020-00451-8>

Pediatric Rheumatology

COMMENTARY

Open Access

The paediatric global musculoskeletal task force - ‘towards better MSK health for all’

Helen E. Foster^{1*}, Christiaan Scott², Carl J. Tiderius³ and Matthew B. Dobbs⁴



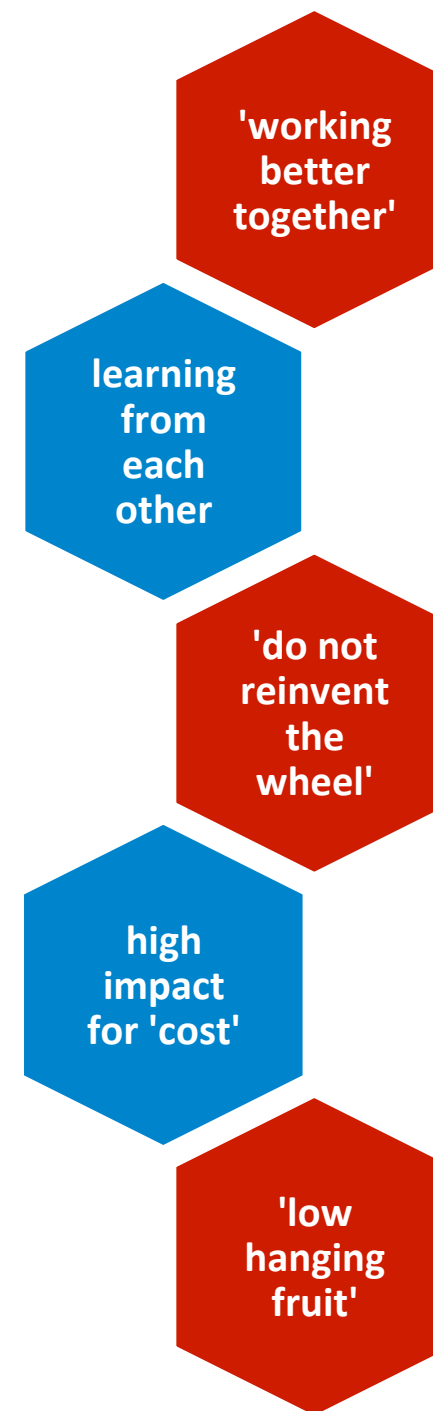
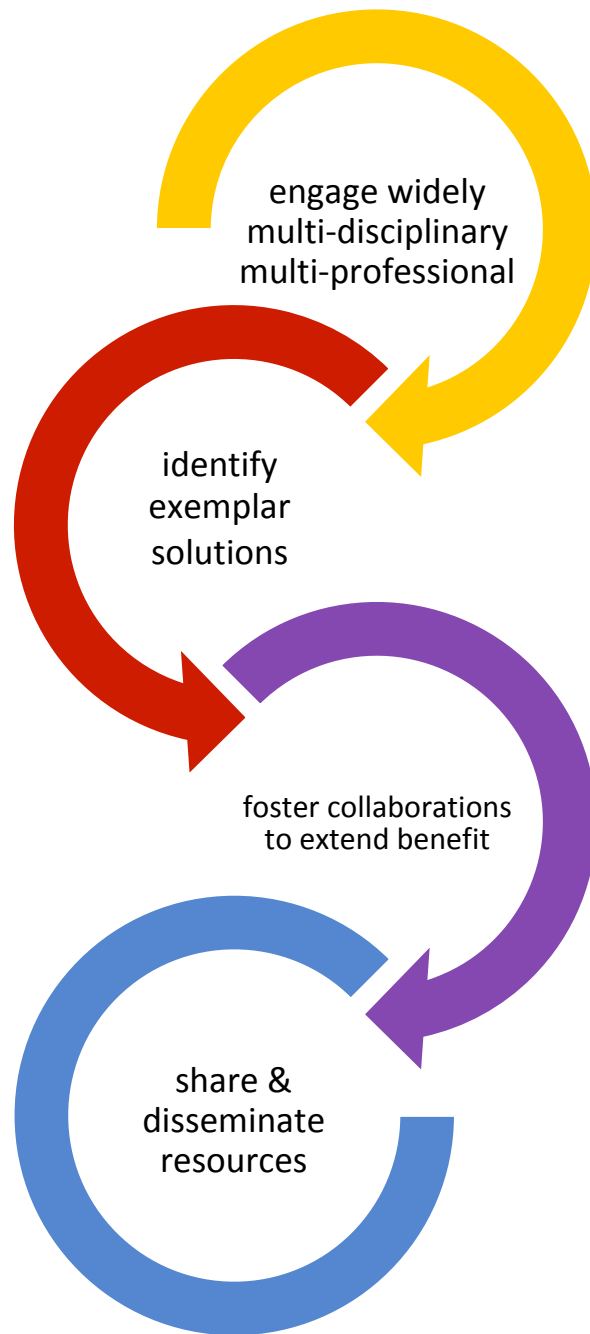
Awareness

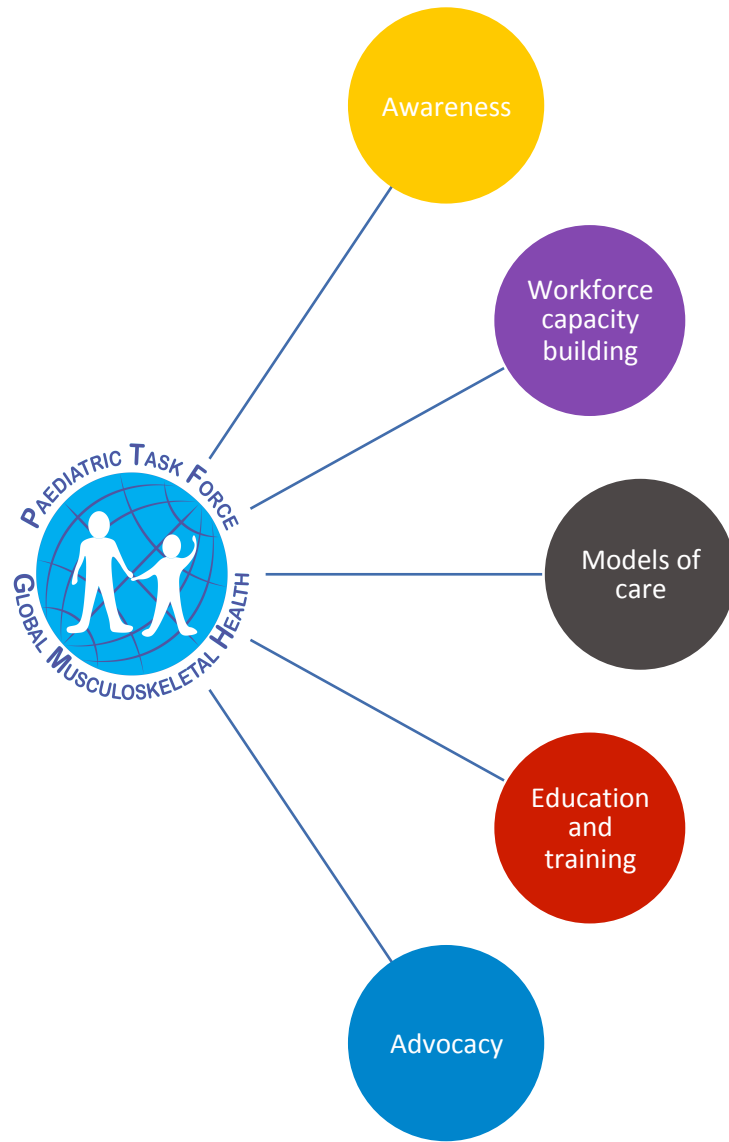
Workforce
capacity
building

Education
and
training

Research
agenda

Advocacy






Examples of our work and contributions

- WHO EML (Joint diseases) revision (submitted 2022)
- WORD day
- APLAR and PAFLAR Webinar series
- PMM Editorial Board and pGALS dissemination
- pGALS translations
- Australian Parliamentary Inquiry
- E-Newsletters
- Juvenile Arthritis Early Referral Tool
- Clinical Guidelines (Less resourced countries)
- International Meetings and Presentations

Awareness



MARCH 18TH WORD-DAY
PLEASE HELP SPREAD THE WORD
THAT CHILDREN AND YOUNG PEOPLE GET RHEUMATIC DISEASES TOO

EARLY INTERVENTION CHANGES LIVES



ReumaJoven
18 de marzo - 18

ReumaJoven México unióse a otros países en el mundo para conmemorar el día de las enfermedades reumáticas en niños. ¡Hey, marzo 18!

Aquí pueden revisar las actividades en otras partes del mundo! <https://wordday.org/activities-around-the-world/> Ver más

13 veces compartido



Rotary Club Monterrey Carlos Canseco

Te invitamos a nuestra sesión "Panorama de las Enfermedades Reumáticas Pediátricas en México"

Nuestros oradores huésped:
Dra. Ana Villarreal Treviño
Dra. Nadia Rubio Pérez
Dr. Fernando García Rodríguez

Miércoles 7 de Abril 2021 13:30 Horas

Joining Zoom Meeting
<https://us02web.zoom.us/j/7625215157?pwd=NDUwczZkZGQ3OTBwX0pNbnV3ZU1TdD09>
Meeting ID: 762 521 5157
Passcode: CRMTY

Un Panorama que sucede en México y el mundo, del cual hay poca difusión...



Kids get arthritis too!
A child should see a paediatrician if you notice these symptoms which can't be explained by injury, infection, or other illness.

Is less active than before or seems tired and listless despite sleep.
Has intermittent fevers or rashes.
Plays, walks, runs, or climbs differently, or develops a limp.
Has swollen or painful joints.

Children do best when diagnosed early and treated appropriately. Awareness of early symptoms is key to achieving this.

arthritis kids SOUTH AFRICA
ARTHRITIS FOUNDATION OF SOUTH AFRICA
SUPPORTS world young rheumatic diseases day March 18th wordday.org

For more information contact admin@arthritiskids.co.za www.arthritiskids.co.za



WORLD Young Rheumatic Diseases Day
APLAR PAEDSRHEUM SIG WEBINAR
Status, Challenges and Solutions: an APLAR perspective
DATE 20 March, 2021

Organized by: APLAR

TO REGISTER [Click Here](#) Scan the QR Code

| TIME | LOCATION |
|-------|---|
| 09:00 | Iran, Jordan, Kuwait, Qatar, Saudi Arabia, Syria |
| 09:30 | Iran |
| 10:00 | UAE, Oman |
| 11:00 | Pakistan, Tajikistan, Uzbekistan |
| 11:30 | India, Sri Lanka |
| 11:45 | Nepal |
| 12:00 | Bangladesh, Kazakhstan, Kyrgyzstan |
| 12:30 | Myanmar |
| 13:00 | Hong Kong, Thailand, Vietnam |
| 14:00 | China, Hong Kong, Malaysia, Uzbekistan, Perth, Philippines, Singapore, Taiwan |
| 15:00 | Japan, Korea |
| 15:30 | Darwin |
| 17:00 | Sydney |
| 19:00 | New Zealand |

PROGRAMME
Co-Chairperson: Prof Sumaira Farman, Pakistan

SESSION I
Time: 14:00 - 16:20 (UTC +8)
Chairperson: Prof. Cui Feng LI, China
Co-Chairpersons: Prof. Indira Kumar, Pakistan & Prof. Syed Naeem Hameed, Iran
Moderator: Priscilla Campbell, New Zealand

APLAR PaedSRHEUM SIG: An Introduction
Prof. Sumaira Farman, Pakistan

IIA in SEA: the outcomes from Singapore longitudinal registry over 10 years: Are We Different?
A/Prof. Huiwen Hui, Singapore

Education and manpower: what do we have and what we want to achieve?
A/Prof. Shih-Chuan Chang, Taiwan

Moderator's Summation
Remarks by Chairperson and Co-Chairpersons
Question and Answer Session

Session II
Time: 16:20 - 18:00 (UTC +8)
Chairperson: Prof. Takanori, Japan
Co-Chairpersons: Prof. Indira Kumar, Pakistan & Prof. Syed Naeem Hameed, Iran
Moderator: A/Prof. Muhammad Imad Hameed, Bangladesh

Kawasaki Disease
Dr. Surjit Singh, India

Kawasaki Disease: Australia's Experience
A/Prof. Takanori, Japan

Childhood Lupus (Lupus)
Dr. Siew Ping Tang, Malaysia

Childhood Lupus in the Philippines: UST Rheumatology Experience
Dr. Ma Theresa Colante, Philippines

Moderator's Summation
Remarks by Chairperson and Co-Chairpersons
Question and Answer Session

Smith et al. *Pediatric Rheumatology* (2020) 18:71
<https://doi.org/10.1186/s12969-020-00465-2>

Pediatric Rheumatology

COMMENTARY

Open Access



Establishing an international awareness day for paediatric rheumatic diseases: reflections from the inaugural World Young Rheumatic Diseases (WORD) Day 2019

Eve M. D. Smith^{1,2,3}, Sammy Ainsworth^{4,5}, Michael W. Beresford^{1,2,3,5}, Veerle Buys^{4,6,7}, Wendy Costello^{4,8}, Yona Egert^{4,9}, Helen E. Foster^{10,11,12}, Lovro Lamot^{2,13,14}, Berent J. Prakken^{2,15}, Christiana Scott^{11,16} and Simon R. Stones^{4,17,18*}




WORLD YOUNG RHEUMATIC DISEASES DAY
March 18th | #wordday2021

world young rheumatic diseases day March 18th wordday.org

PPS BICA

WED, 17 MAR-18 MAR
WORD Day 2021
Online event

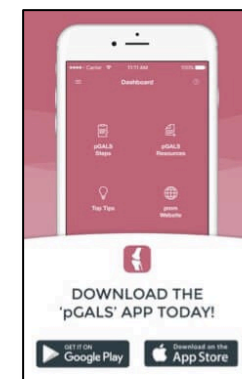
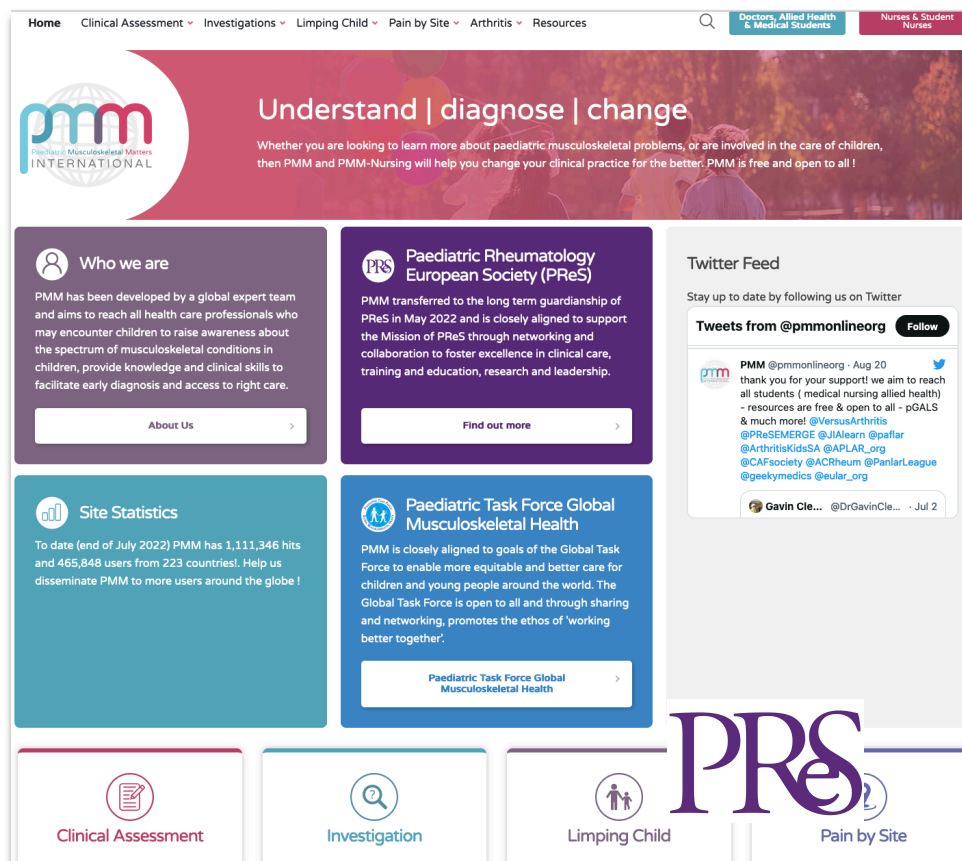
Paediatric Musculoskeletal Matters Portfolio

Updated Expanded Version Launched Sept 2022 with >70 global partners contributing content

Resources free & open to all for teaching and learning



www.pmmonline.org



Many pGALS translations and v-pGALS for telemedicine

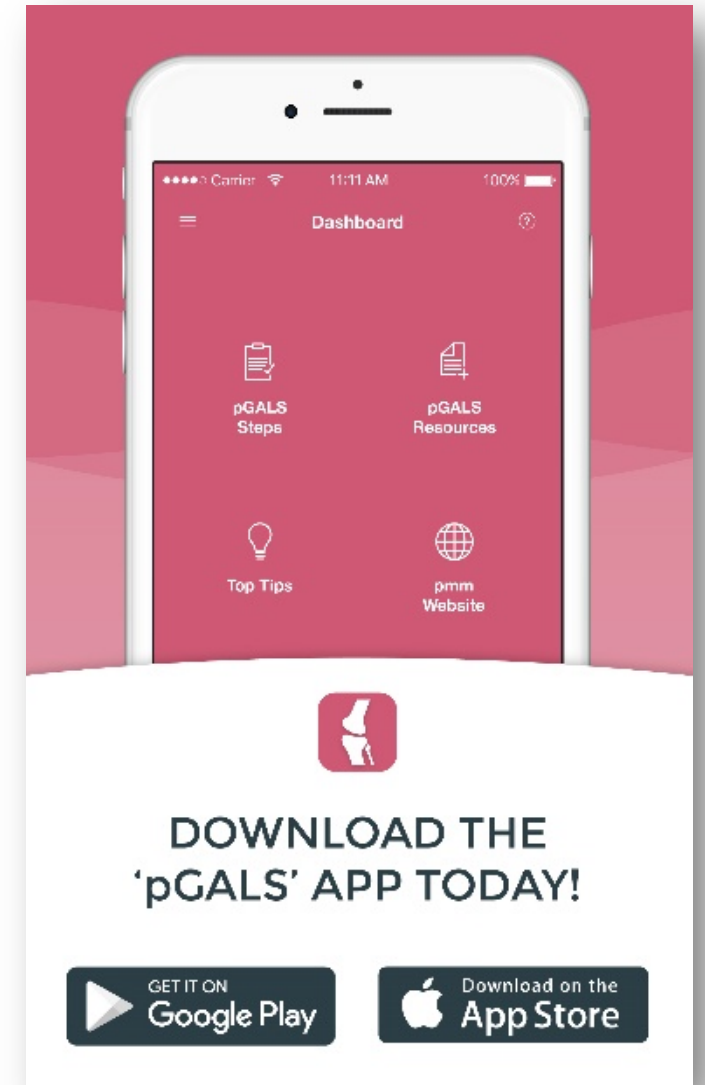


Interactive e-modules and pGALS graphic animation all available on PMM

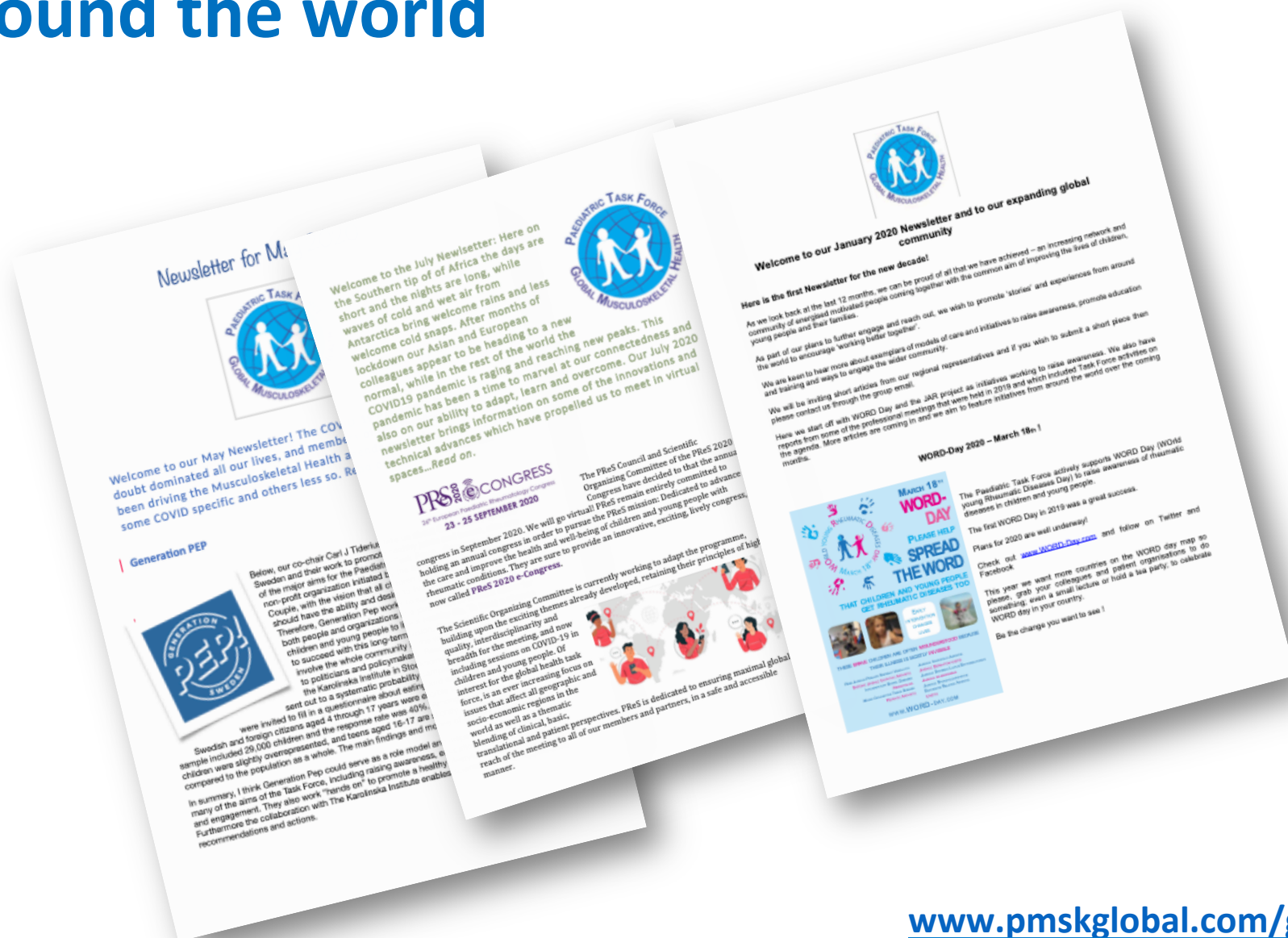


pGALS Translations

- 23 (so far) developed with many global partners
- V-pGALS for telehealth
- All free, openly available on pGALS App &
<https://www.pmskglobal.com/learning-zone/>
<https://www.pmmonline.org/doctor/clinical-assessment/examination/>
- If you want help add further languages
- – please do get in touch with the PMM team
 - pmmonline.org@gmail.com



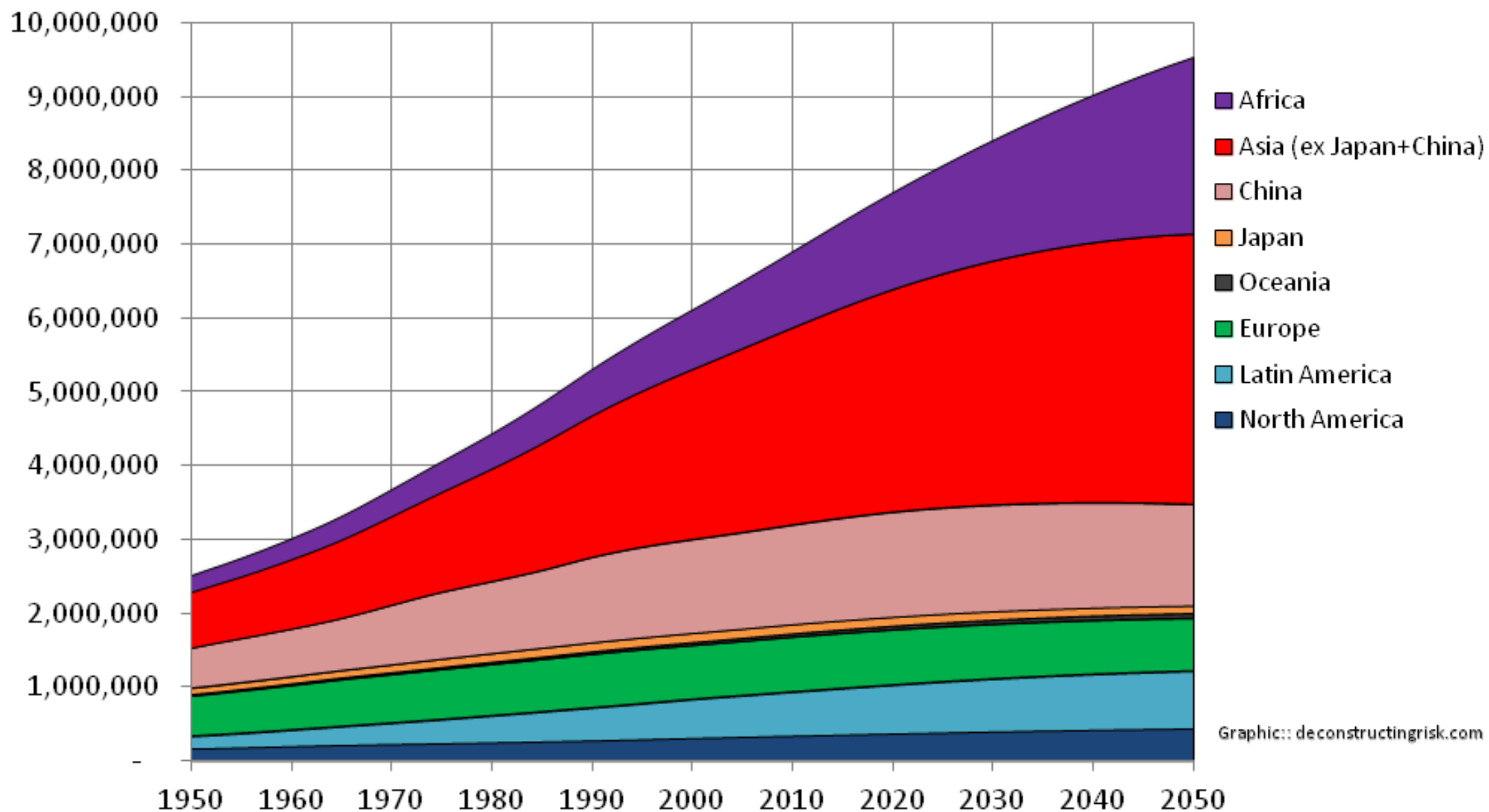
Regular e-Newsletters with contributions from around the world



By 2050 2 out of every 5 children will live in Africa

World Population

Source: UN

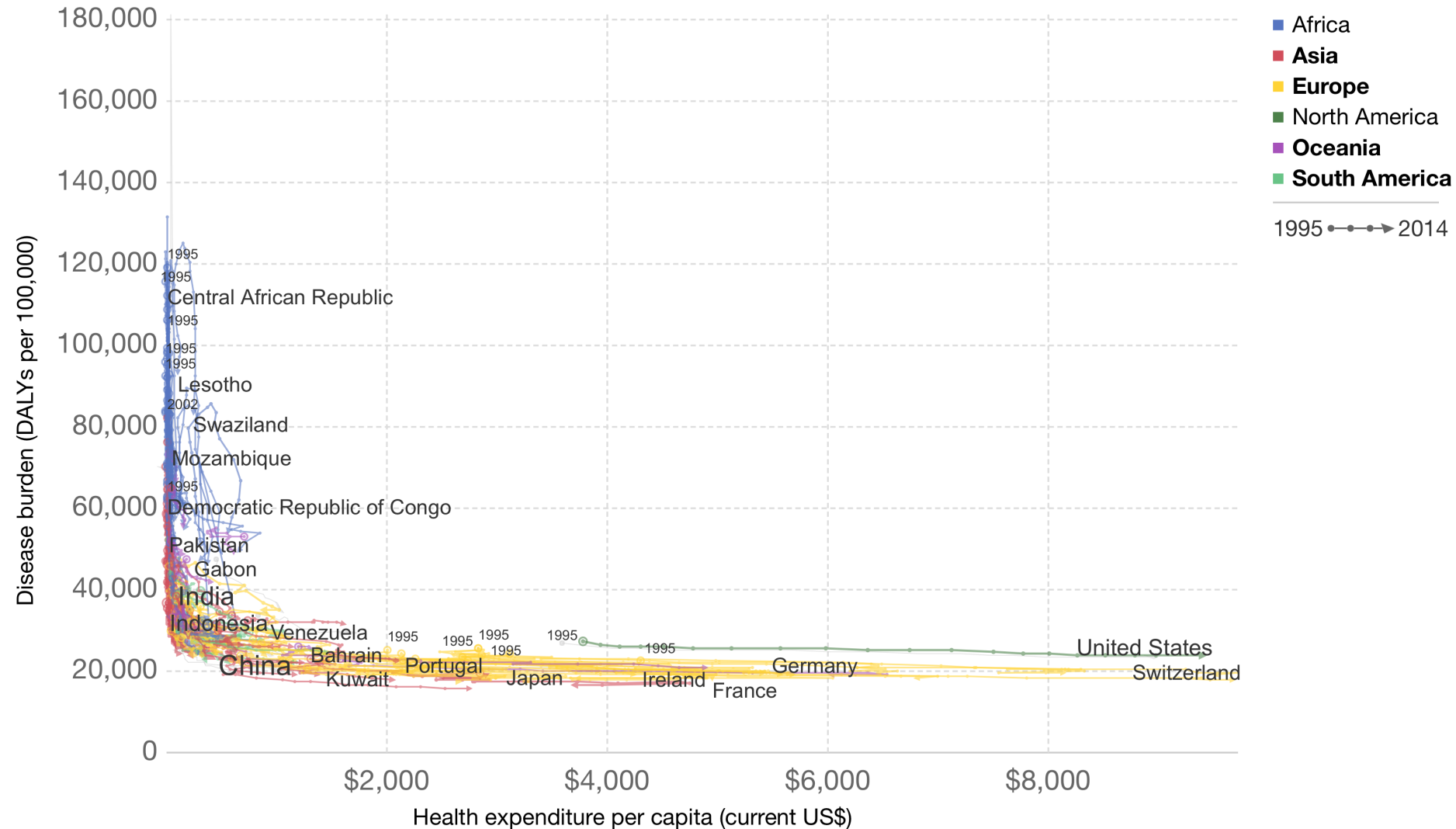


Graphic: deconstructingrisk.com

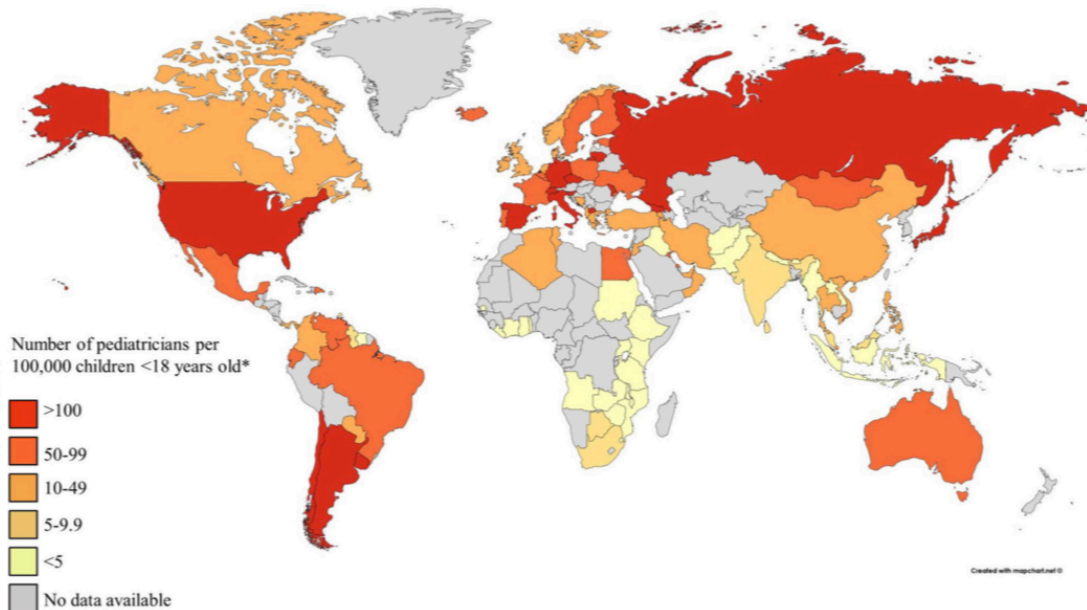
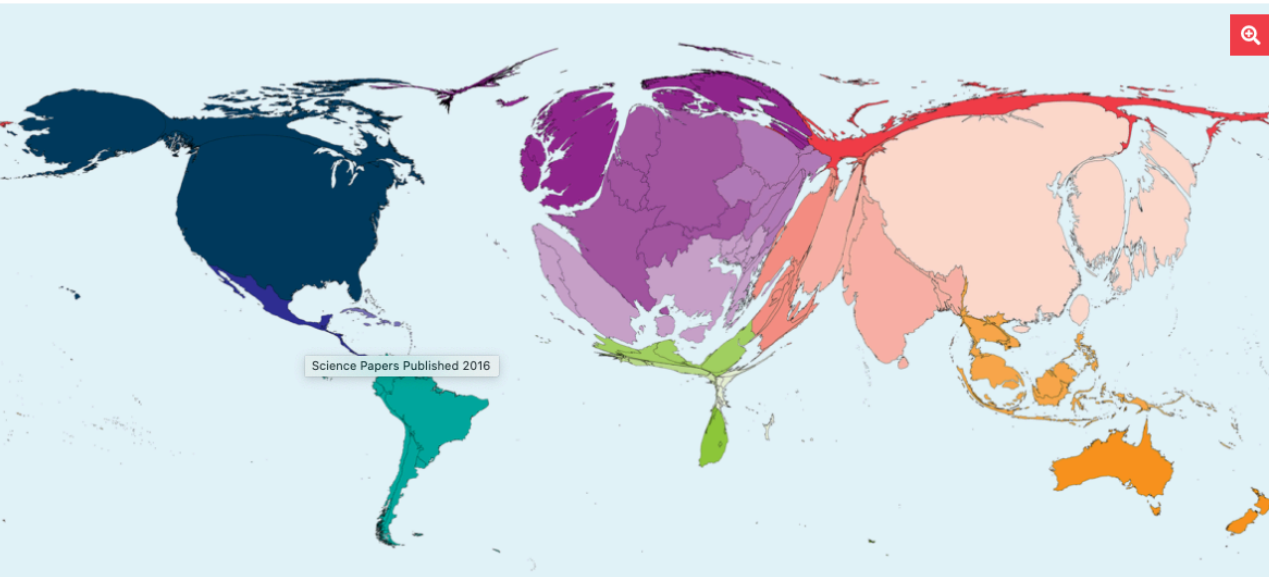
Disease burden vs. health expenditure per capita, 1995 to 2014

Total disease burden from all causes, measured as the number of Disability-Adjusted Life Years (DALYs) per 100,000 individuals, versus health expenditure per capita (measured in US\$).

Our World
in Data



Science Papers Published 2016



*Data Source: UNICEF Country Statistics

Figure 1 Pediatrician density per 100 000 children <18 years old*.

BMJ
Paediatrics
Open

Where are the paediatricians? An international survey to understand the global paediatric workforce

Beth D Harper,¹ Waceke Nganga,² Robert Armstrong,³ Kevin D Forsyth,⁴ Hazen P Ham,⁵ William J Keenan,⁶ Christiana M Russ¹

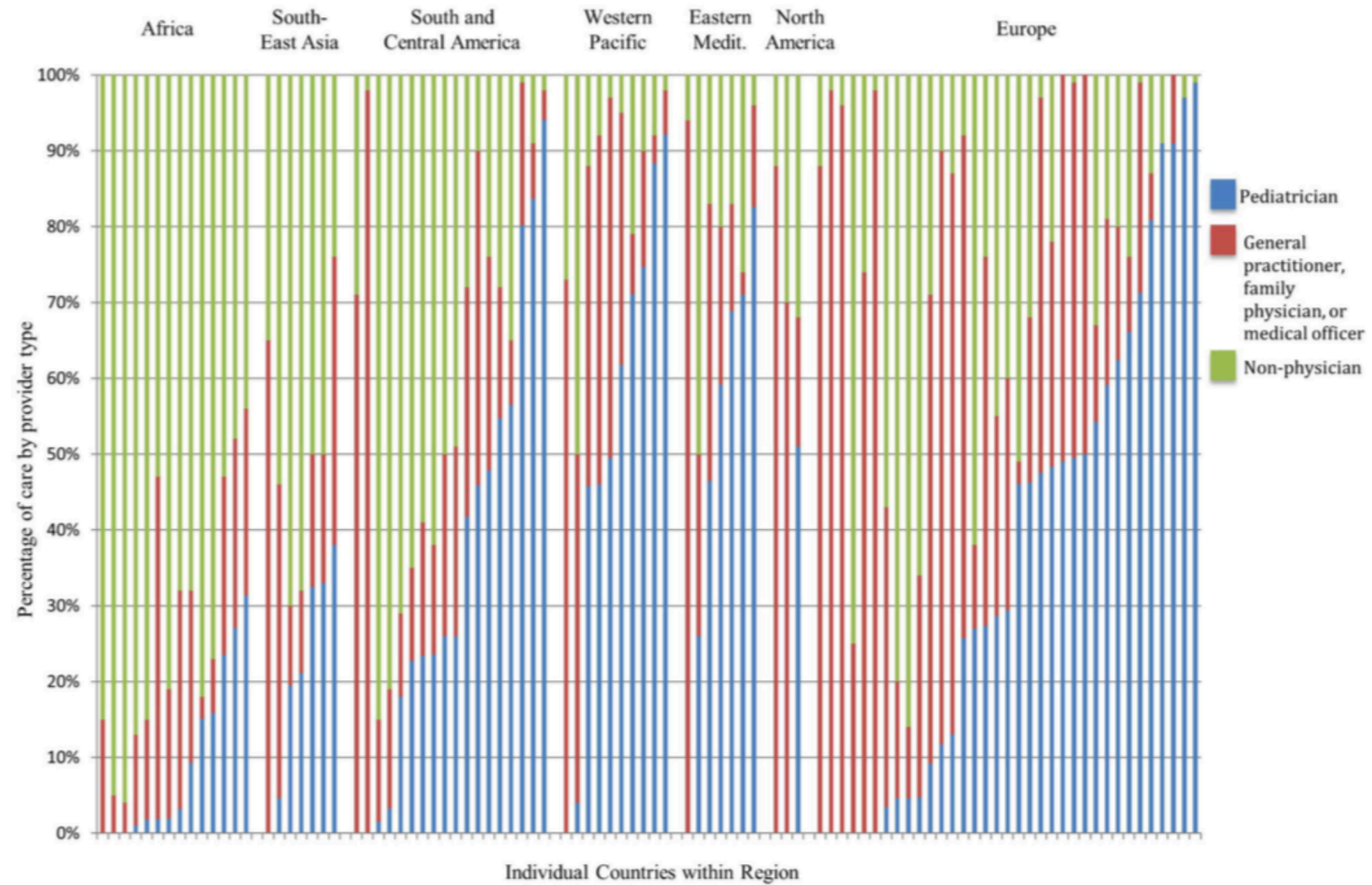
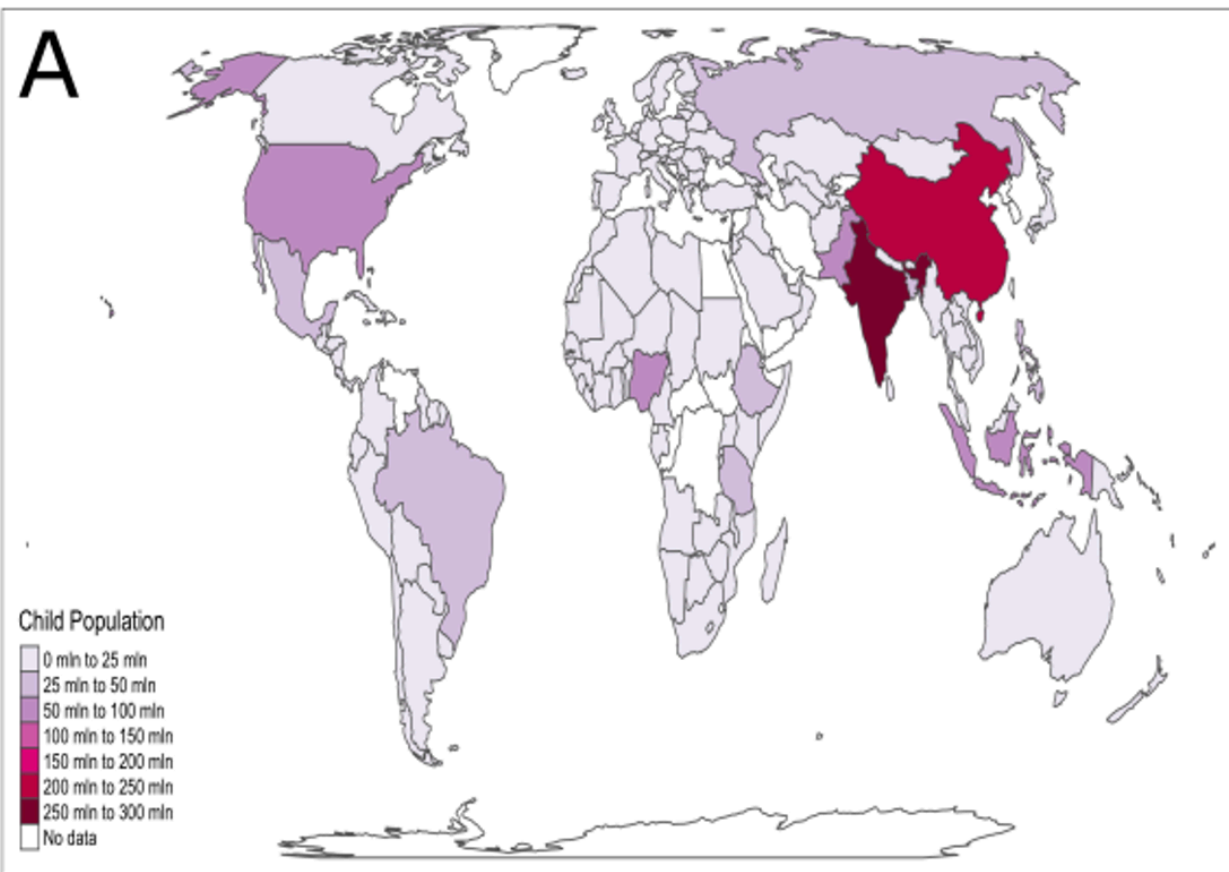
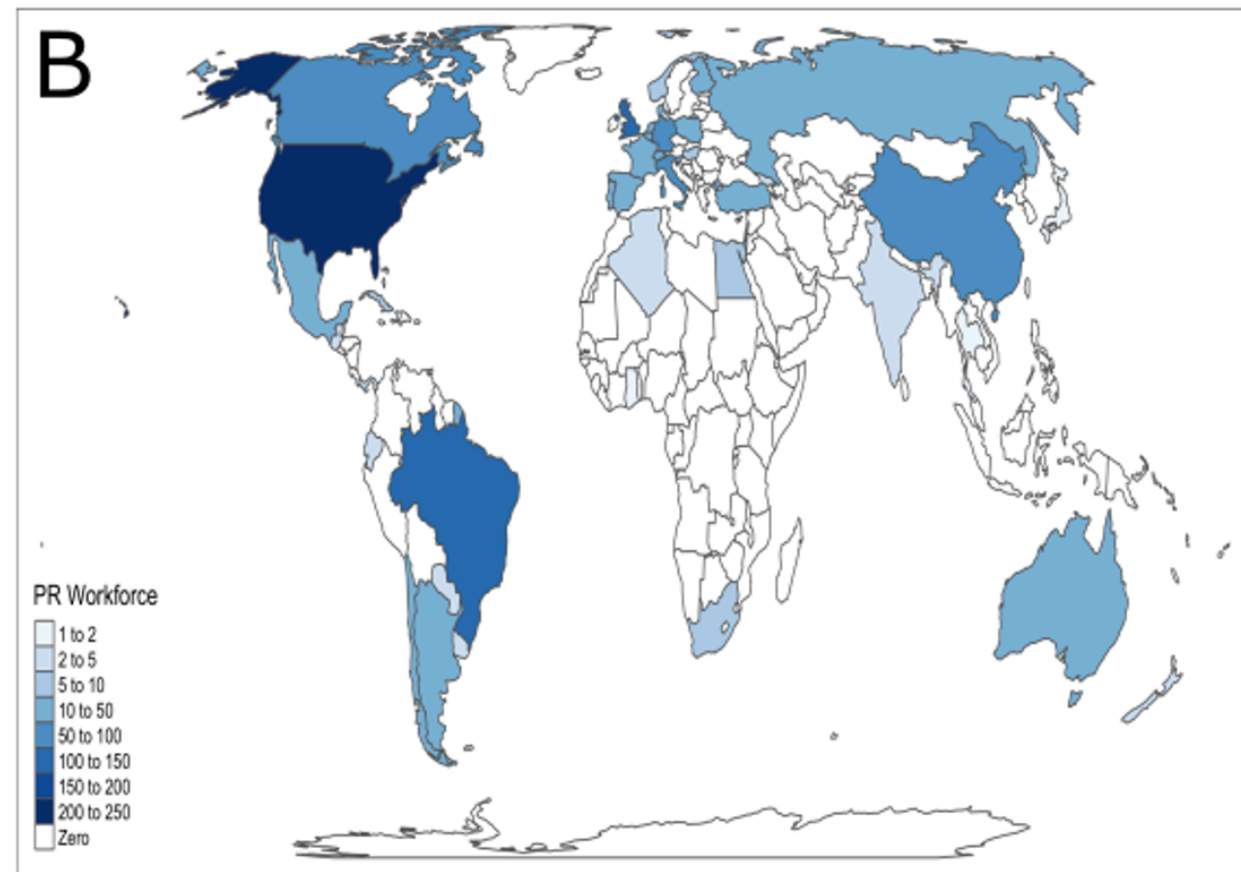


Figure 2 Type of provider seen for primary care.



WORLDS CHILDREN



WORLDS PAEDIATRIC RHEUMATOLOGISTS

RESEARCH ARTICLE

Open Access

Global prevalence estimates of three chronic musculoskeletal conditions: club foot, juvenile idiopathic arthritis and juvenile systemic lupus erythematosus

Mona Dave, Judith Rankin, Mark Pearce and Helen E. Foster*



Estimated global prevalence of clubfoot, JIA and juvenile SLE in 2017:

2.95 million

Children and young people. Disease prevalence was greatest in South Asia, followed by Africa, the Americas, Europe and Oceania.



Nearly 3 million children and young people around the world have clubfoot, JIA or juvenile SLE, according to data.

Estimated number of children with a musculoskeletal condition in 2017 by UN region

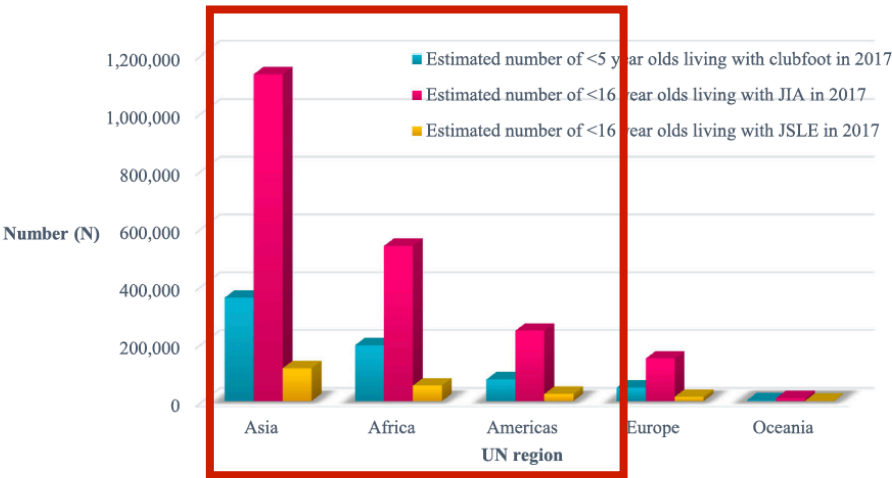


Fig. 2 Estimated number of children in 2017 with clubfoot, JIA and JSLE by UN region

Estimated number of prevalent cases of clubfoot (<5 yr olds), JIA and JSLE (<16 year olds) worldwide, 2017

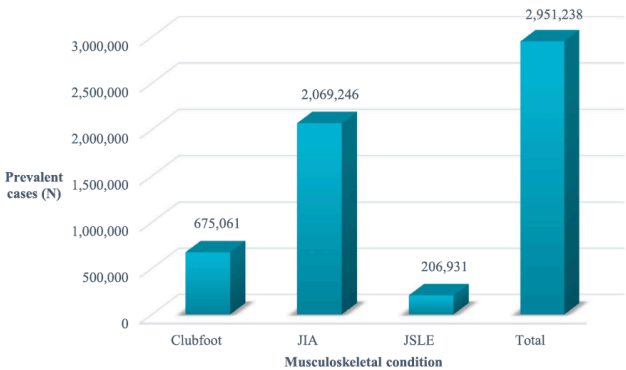
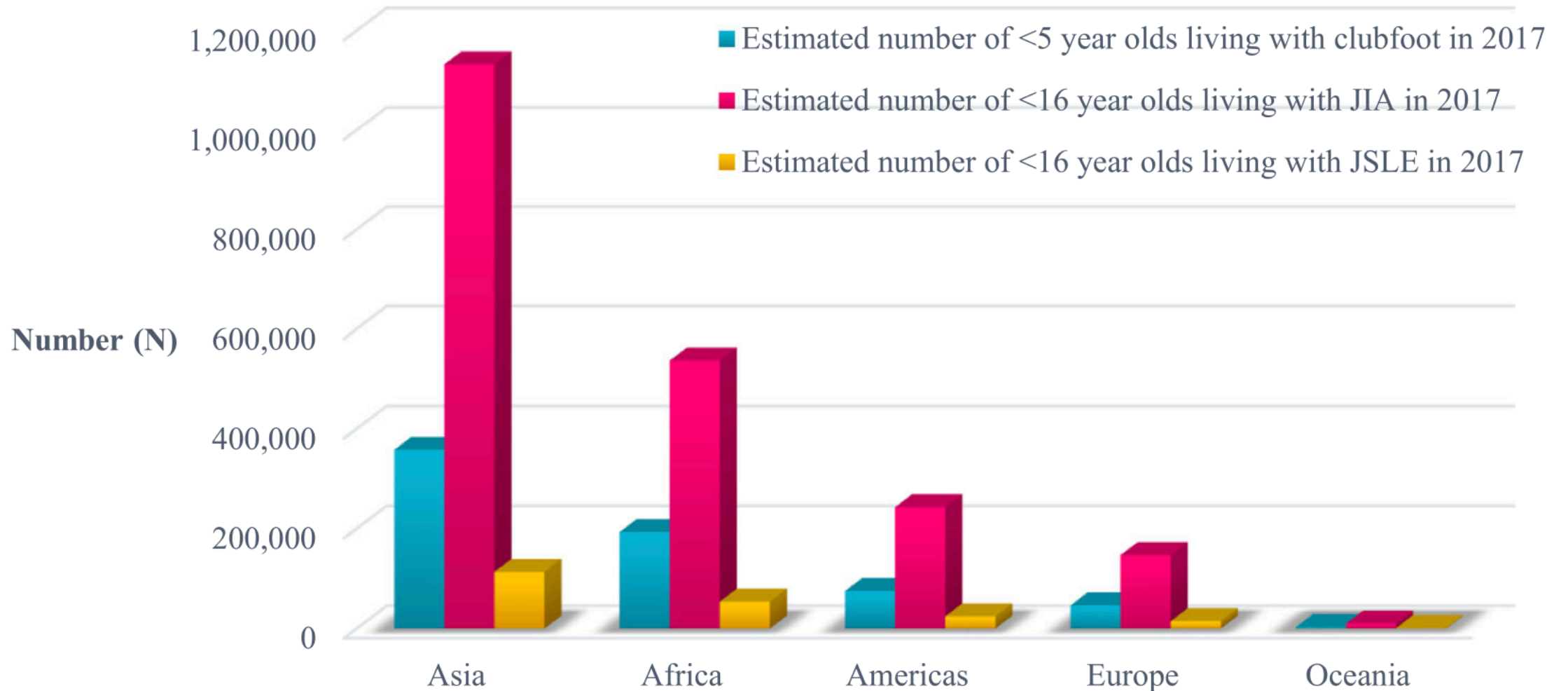
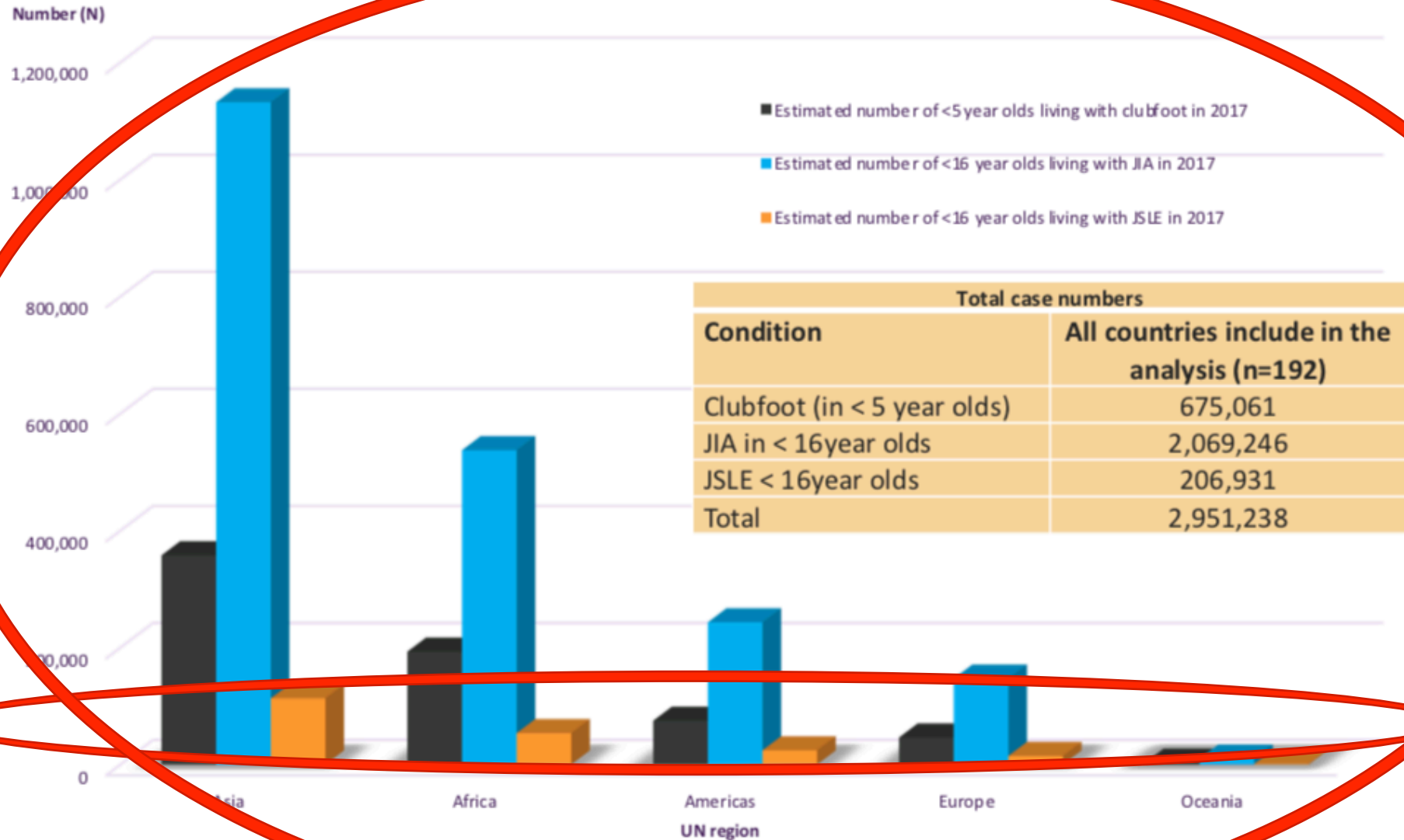


Fig. 1 Total estimated number of cases of clubfoot, JIA and JSLE across all countries included in analysis, 2017. The totals here are the sums of individual country data and will therefore be slightly different to the total when calculated by summing region data or sub-region data in subsequent figures due to rounding error

Estimated number of children with a musculoskeletal condition in 2017 by UN region



Estimated number of children with one of 3 exemplar conditions in 2017 by UN region



Large numbers of children with these conditions in countries with higher total populations and higher % of children (approx 27%)

Dave M. Pearce, Mark Rankin J, Foster HE (publication in preparation)



ELSEVIER

Contents lists available at ScienceDirect

Best Practice & Research Clinical Rheumatology

journal homepage: www.elsevierhealth.com/berh



<https://doi.org/10.1016/j.berh.2020.101566>

Improving musculoskeletal health for children and young people – A ‘call to action’

Helen E. Foster^{a,*}, Christiaan Scott^b, Carl J. Tiderius^c,
Matthew B. Dobbs^d, Members of the Paediatric Global
Musculoskeletal Task Force


Foster *et al. Pediatric Rheumatology* (2020) 18:60
<https://doi.org/10.1186/s12969-020-00451-8>

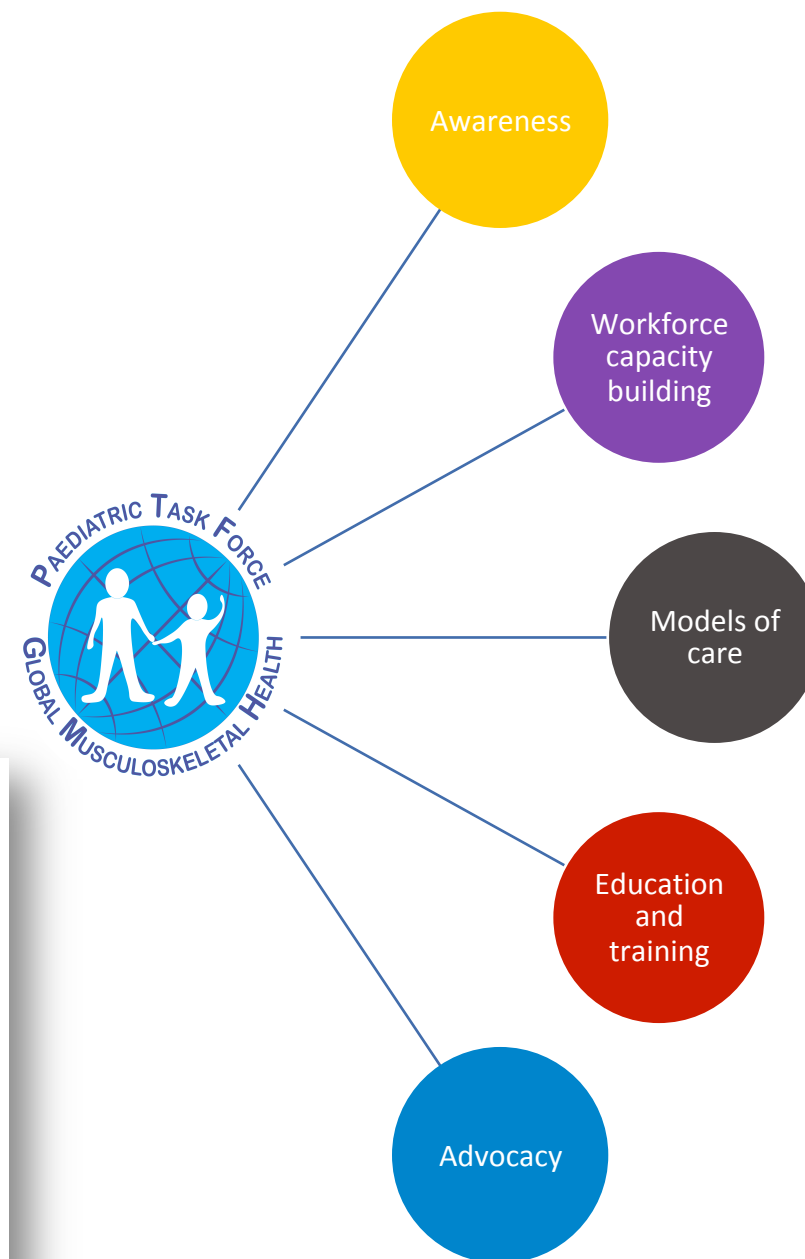
Pediatric Rheumatology

COMMENTARY

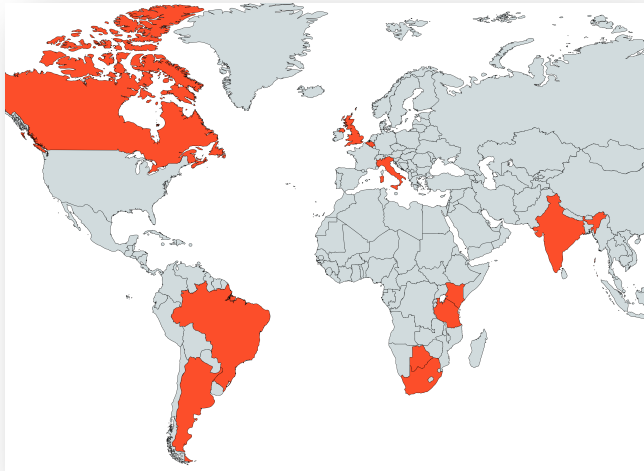
Open Access

The paediatric global musculoskeletal task force - ‘towards better MSK health for all’

Helen E. Foster^{1*} , Christiaan Scott², Carl J. Tiderius³ and Matthew B. Dobbs⁴



JAMLESS: Juvenile Arthritis management in Less Resourced Countries



- Paediatric rheumatologists (PR) from Low Resource settings was convened
- Steering group of international PR

Scott et al Clin Rheumatol 2013



JAMless
South East Asia in progress (2023)

Lupus Guidelines Less resourced Countries in preparation (2023)

Inquiry into childhood rheumatic diseases: Interim report

House of Representatives Standing Committee on Health, Aged Care and Sport

| State | Population of children 0-19 years | Required paediatric rheumatologist staffing (EFT) | Actual public paediatric rheumatologist staffing (EFT) | Percentage of required public EFT |
|------------------------------|-----------------------------------|---|--|-----------------------------------|
| New South Wales | 1,975,852 | 9.9 | 1.25 | 12.6 per cent |
| Victoria | 1,589,497 | 7.9 | 3.94 | 49.9 per cent |
| Queensland | 1,317,012 | 6.6 | 1.6 | 24.2 per cent |
| South Australia | 411,722 | 2.1 | 1.3 | 61.9 per cent |
| Western Australia | 672,432 | 3.4 | 1.8 | 52.9 per cent |
| Tasmania | 125,041 | 0.6 | 0 | 0.0 per cent |
| Northern Territory | 67,677 | 0.3 | 0 | 0.0 per cent |
| Australian Capital Territory | 106,455 | 0.5 | 0 | 0.0 per cent |
| National | 6,265,688 | 31.3 | 9.89 | 31.6 per cent |

Source: Australian Paediatric Rheumatology Group, Submission 70, p. 15

| Medication | N (%) | Medication | N (%) |
|-----------------------------------|-------------|------------------------------|-------------|
| <u>Methotrexate</u> | 173 (100%) | <u>TNF Inhibitor</u> | 168 (97%) |
| – Methotrexate | – 143 (83%) | – Adalimumab | – 152 (88%) |
| – Methotrexate (Subcutaneous) | – 147 (85%) | – Etanercept | – 115 (66%) |
| | | – Infliximab | – 77 (45%) |
| Sulphasalazine | 55 (32%) | <u>IL6 Inhibitor</u> | 151 (87%) |
| | | – Tocilizumab (Intravenous) | – 121 (70%) |
| | | – Tocilizumab (Subcutaneous) | – 90 (52%) |
| Hydroxychloroquine | 77 (45%) | <u>IL1 Inhibitor</u> | 123 (71%) |
| | | – Anakinra | – 120 (69%) |
| | | – Rilonacept | – 4 (2%) |
| | | – Canakinumab | – 31 (18%) |
| <u>Intra-articular Steroids</u> | 157 (91%) | Abatacept | 39 (23%) |
| – Triamcinolone Hexacetonide (TH) | – 134 (77%) | | |
| – Triamcinolone Acetonide | – 35 (30%) | | |
| – Methylprednisolone Acetate | – 32 (19%) | | |
| <u>Prednisolone</u> | 150 (87%) | Rituximab | 75 (43%) |

Foster, Slamang, Scott, Smith

Review of the management of Juvenile Idiopathic Arthritis

A narrative review of the management of juvenile idiopathic arthritis

This report aims to contextualise the medicines used in the different subtypes of JIA and

provide the rationale for current therapeutic strategies.

Executive summary **The Selection and Use of Essential Medicines** **2021**

Report of the 23rd WHO Expert Committee on the
Selection and Use of Essential Medicines

Virtual meeting, 21 June–2 July 2021



**World Health
Organization**

2022 PReS Appoints Global Health
Research Fellow to follow up
guidelines submission with the WHO:
Dr Waheba Slamang (South Africa)