

GARPNet News

Volume 2, Issue 6
November 2016



In this issue

Features:

- World Antibiotic Awareness Week 2016 1
- GARP symposium at the annual meeting of the ASTMH 5

Country highlights 7

New publications and media 8

GARP activities on the CDDEP blog 9

Contact information for the GARP network 10

World Antibiotic Awareness Week

CDDEP shared tools, research, and updates on new projects throughout World Antibiotic Awareness Week, 2016. Activities took place the world over, hosted by GARP working groups, the WHO, and the U.S. CDC, among many others.

Kenya

2016 marks GARP-Kenya's fourth year of national antibiotic awareness week events. This year, the week was launched at a One Health AMR policy meeting hosted by the Ministry of Health in collaboration with GARP, ReAct Africa, and the Ecumenical Pharmaceutical Network (EPN), with representatives attending from the veterinary, pharmaceutical, university and public health sectors.





World Antibiotic Awareness Week activities in Nairobi

During the week, student champions from the University of Nairobi School of Pharmacy shared educational materials from ReAct Africa and GlaxoSmithKline (GSK) with patients and health workers at the largest public teaching and referral hospital in Kenya; Kenyatta National Hospital in Nairobi.

At the Infection Prevention Network (IPNET)-Kenya annual meeting in Machakos, GARP-Kenya presented on the updated situation analysis and draft national action plan, and hosted a symposium on antimicrobial stewardship in hospitals with GSK. Later in the week, GARP and the Ministry conducted AMR sessions with students at the Maseno University College of Health Sciences.

Educational fliers for veterinarians and farmers designed by ReAct were distributed at the IPNET meeting and throughout the week, and are available on the EPN website here: <http://www.epnetwork.org/en/programmes/antimicrobial-resistance-and-infectious-diseases>. The Ministry and volunteers also distributed AMR stickers to newspaper sellers and pasted them on public transit in the capital during the week.

Meanwhile, Tom Menge, Chief Pharmacist at Kenyatta National Hospital and a founding member of the GARP-Kenya working group, spoke at the American Society of Tropical Medicine and Hygiene annual meeting in Atlanta during CDDEP's symposium "The Global Antibiotic Resistance Partnership—9 Years of Progress." Details are provided later in this newsletter.

Nepal

GARP-Nepal held their second annual antibiotic awareness week this year, with rallies, essay competitions, lectures and more at sites across the country. Activities targeted healthcare providers, patients, students and the public, and took place in collaboration with the Physicians for Social Responsibility Nepal (PSRN), the Student Chapter of the B.P. Koirala Institute of Health Sciences, the Oxford University Clinical Research Unit Nepal, the Patan Academy of Health Sciences, the Nepal Medical Student Society, the Institute of Medicine, Dhulikhel Hospital, Kathmandu University, Om Health Campus, Manipal Medical College, and Nepalgunj Medical College.



Patient education corner, BPKIHS

GARP-Nepal and the B.P. Koirala Institute of Health Sciences (BPKIHS), Dharan, created a patient education corner in the waiting area of the outpatient department to discuss appropriate



Community AMR information session at an education stall, Dhulikhel



Rally participants in Patan



Rally participants in Dhulikhel

antibiotic use with patients who had been prescribed antibiotics. Awareness corners and posters on appropriate use were also on display in Kathmandu at the Institute of Medicine, Om Hospital, and Patan Hospital; in Pokhara at Manipal Hospital; and at Dhulikhel Hospital, Dhulikhel.

GARP-Nepal engaged the public through a survey about antibiotic use and resistance with shoppers at four Kathmandu department stores. Following the survey, participants were given educational materials on appropriate use and a follow-up questionnaire. An AMR awareness corner was also set up for shoppers at a department store in Pokhara.

Later in the week, GARP-Nepal held a rally at Dhulikhel Hospital with professors and more than 100 medical students from Kathmandu University. Folk music greeted the rally participants, who later marched through the streets with pamphlets on proper antibiotic use. Education stalls were also set up around the Dhulikhel area. Rallies and lectures on AMR took place at BPKIHS and the Patan Academy of Health Sciences.

Competitions for best poster and best essay on AMR also took place during the week, and judging is now underway. One of last year's [winning essays](#), by then fourth year medical student Pranjal Rokaya at the Patan Academy of Health Sciences, is now being turned into a short animated film by GARP-Nepal.

Sign up now for a new MOOC on antimicrobial resistance in the food chain:

<https://www.futurelearn.com/courses/antimicrobial-resistance-food-chain>

ASTMH Annual Meeting 2016

For the third time since 2010, CDDEP organized a symposium on GARP at the American Society of Tropical Medicine and Hygiene annual meeting. Each time, it has been one of very few sessions dealing with AMR—even this year, when worldwide interest has grown to its highest point. This year, GARP Global Coordinator Hellen Gelband chaired and gave a global overview, and Drs. Tom Menge from Kenya and Esperança Sevene from Mozambique recounted the progress made in their countries. Here is the CDDEP blogpost that Gelband wrote after the session.

My Own Antibiotic Awareness Week Celebration

It may be World Antibiotic Awareness Week where you are, but here at the American Society of Tropical Medicine and Hygiene annual meeting in Atlanta (just down the road from the CDC), not so much. Except, of course, for CDDEP's symposium yesterday, "The Global Antibiotic Resistance Partnership—9 Years of Progress."

The audience was spellbound (my interpretation) as I explained what GARP is, how it's grown from four countries in 2009 to 13 now, and how it's expanding today. The first eight countries have blasted through situation analyses and are all almost there with national action plans, headed toward implementation.

It was when Tom Menge (Chief Pharmacist at Kenyatta National Hospital, Kenya's largest, and a founding member of the GARP-Kenya working group) took the podium and charted Kenya's 9-year journey as the first GARP partner that the real story began to unfold. While he's here, GARP-Kenya is staging their biggest Antibiotic Awareness Week yet in their fourth straight year of awareness week activities. The original GARP working group, including Tom, is still largely intact, and the members have become the trusted advisors that we envisioned those many years ago. Because of their success, they also attract collaboration and sponsorship well beyond GARP, now one logo among many.

Then Esperança Sevene (Professor at Eduardo Mondlane Medical School, researcher at Manhica Health Research Center, and co-



Tom Menge, GARP-Kenya



Esperança Sevene, GARP-Mozambique

chair of GARP-Mozambique) took the stage and told Mozambique's story. Mozambique was in the second GARP wave, starting in 2012, and like GARP-Kenya they have become the focal point for AMR and have developed the country's national AMR action plan. Esperança reminded us all of something easy for Americans to forget—that in her country, they're also still struggling to expand access to antibiotics to much of the rural population, where thousands of children die each year

because they get no treatment. Here in the United States and other rich countries, it's all about cutting antibiotic use—less, less, less. That's not the answer everywhere, though.

No one was more spellbound by the tale than I was—feeling like a proud parent. Proud but a bit wistful, seeing the “kids” go from strength to strength, not really needing CDDEP to hold their hands or give advice at every turn. The fact is, that's what we wanted: fully independent working groups that can collaborate with all sectors and serve the needs of their populations over the long term. This is the best celebration of Antibiotic Awareness Week that I can imagine—for CDDEP and for me.

Hellen Gelband

CDDEP Associate Director for Policy and GARP Global Coordinator

GARP in the News

GARP-Kenya coordinator Dr. Eveline Wasangula spoke at the joint technical symposium on antimicrobial resistance (AMR) on October 25 in Nairobi, Kenya, and her remarks were covered by Intellectual Property Watch: <http://www.ip-watch.org/2016/10/26/quick-wins-long-roads-ahead-antimicrobial-resistance/>

GARP-Vietnam PI and Dr. Rogier van Doorn and former PI Prof. Heiman Wertheim discussed the current status of Vietnam's national action plan in a blog post for the Longitude Prize: <https://longitudeprize.org/blog-post/vietnams-national-action-plan-amr-whos-involved-and-it-working>

Country Highlights

GARP-Tanzania

In Tanzania, the Ministry of Health has established a National Taskforce on AMR, including Professor Said Aboud, GARP-Tanzania working group chair, who heads the subcommittee on surveillance. A national action plan has been drafted by the taskforce and is under review. The working group is currently piloting the GARP costing tool and planning workshops to initiate an implementation plan in 2017.

GARP-Vietnam

GARP-Vietnam is establishing a reference laboratory and AMR surveillance system as a part of a Fleming Fund pilot project, in cooperation with WHO and the U.S. CDC. This system will work with the same hospitals that previously supplied data to ResistanceMap and received support from GARP. GARP is supporting additional surveillance activities, including training for personnel at the proposed sites.

GARP-Laos

In October, the Minister of Health of Laos, His Excellency Assoc. Prof. Dr. Bounkong Syhavong, signed a letter proposing the establishment of GARP-Laos with a secretariat at the Lao-Oxford-Mahosot Hospital Wellcome Trust Research Unit (LOMWRU) in Vientiane.

GARP-South Africa

CDDEP/GARP consultant in South Africa, Dr. Kim Faure, helped organize the Fleming Fund's regional AMR conference hosted by the Department of Health, South Africa; the Department of Health, United Kingdom; the British High Commission, Pretoria; and the National Institute for Communicable Diseases on 17 and 18 November 2016. The conference focused on surveillance systems for AMR in the southern African region. Kim also supports AMR policy work in South Africa.

GARP-Bangladesh

GARP-Bangladesh held a stakeholder meeting on AMR on November 21st, following World Antibiotic Awareness Week.

GARP-Kenya

GARP-Kenya chair Prof. Sam Kariuki discussed antibiotic use in chickens for CDDEP in a short video available on YouTube: http://cddep.org/blog/posts/changing_perspectives_use_antibiotics_agriculture_dr_sam_kariuki_garp_kenya

GARP-Zimbabwe

In Zimbabwe, the GARP working group has completed a draft situation analysis that will soon be finalized.

New Publications and Media

Budhathoki, S. S., & Gelband, H. 2016. “Manmade earthquake: the hidden health effects of a blockade-induced fuel crisis in Nepal.” *BMJ Global Health*, 1(2), e000116. <http://gh.bmj.com/content/1/2/e000116>

Gelband, H. 2016. “The Evolution of the Global Antibiotic Resistance Partnership.” In Carlet, J. and Upham, G. (Eds). *AMR Control 2016: Overcoming Global Antimicrobial Resistance*. Suffolk: Global Health Dynamics.

Li, R., van Doorn, R., Wertheim, H., et al. 2016. “Combating antimicrobial resistance: quality standards for prescribing for respiratory infections in Vietnam.” *The Lancet Global Health*, 4(11):e789. [http://thelancet.com/journals/langlo/article/PIIS2214-109X\(16\)30267-4/fulltext](http://thelancet.com/journals/langlo/article/PIIS2214-109X(16)30267-4/fulltext)

Logan, L.K., Gandra, S., Siddhartha M., Klein, E.Y., Levinson, J., Weinstein, R.A., Laxminarayan, R. 2016. “Multidrug- and Carbapenem-Resistant *Pseudomonas aeruginosa* in Children, United States, 1999–2012.” *Journal of the Pediatric Infectious Diseases Society*, doi: 10.1093/jpids/piw064 <http://jpids.oxfordjournals.org/content/early/2016/11/15/jpids.piw064>



Rally participants in Dhulikhel, Nepal

GARP Activities on the CDDEP Blog

My Own Antibiotic Awareness Week Celebration (Nov 18)

http://cddep.org/blog/posts/my_own_antibiotic_awareness_week_celebration

On the Rise: Antimicrobial-resistant healthcare-associated infections in U.S. children (Nov 17)

http://cddep.org/blog/posts/rise_antimicrobial_resistant_healthcare_associated_infections_us_children

How will we measure progress on global AMR goals? (Nov 15)

http://cddep.org/blog/posts/how_will_we_measure_progress_global_amr_goals

CARA: The Conscience of Antimicrobial Resistance Accountability, and the next big thing for CDDEP (Nov 15)

http://cddep.org/blog/posts/cara_conscience_antimicrobial_resistance_accountability_and_next_big_thing_cddep

Antibiotic Awareness Week 2016 (Nov 14)

http://cddep.org/blog/posts/antibiotic_awareness_week_2016

The Plague of Pyuria (Oct 19)

http://cddep.org/blog/posts/plague_pyuria

GARP Network Contact Information

Washington, DC & New Delhi (CDDEP)

<i>Principal Investigator</i>	Ramanan Laxminarayan, Director
<i>Project Manager</i>	Hellen Gelband, Associate Director Email: gelband@cddep.org
<i>Project Analyst</i>	Molly Miller-Petrie, Research Associate Email: millerpetrie@cddep.org
<i>Communications</i>	Ellyse Stauffer, Communications Associate Email: stauffer@cddep.org

Bangladesh

<i>Secretariat</i>	The International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B)
<i>Working Group Chair</i>	Prof. (Dr.) Sanya Tahmina, Director, Disease Control and Line Director, Communicable Disease Control (CDC), Directorate General of Health Services
<i>Vice Chairs</i>	Dr. Wasif Ali Khan, The International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B) and Prof. Sayedur Rahman, Bangabandhu Sheikh Mujib Medical University (BSMMU)
<i>Coordinator</i>	Iftekhar Rafiqullah, Deputy Coordinator, Aetiology of Neonatal Infection in Southasia study, Department of Microbiology, Child Health Research Foundation, Dhaka Shishu (Child) Hospital
<i>Email</i>	iftekhar_rafiqullah@yahoo.com

India

<i>Secretariat</i>	CDDEP-New Delhi
<i>Working Group Chair</i>	Professor NK Ganguly
<i>Acting Coordinator</i>	Vacant
<i>Email</i>	millerpetrie@cddep.org

Kenya

<i>Secretariat</i>	Kenya Medical Research Institute (KEMRI)
<i>Working Group Chair</i>	Sam Kariuki, Director, Centre for Microbial Research
<i>Vice Chair</i>	Linus Ndegwa, Manager, Infection Control, CDC KEMRI
<i>Coordinator</i>	Eveline Wesangula, AMR Focal Point, Kenya Ministry of Health
<i>Email</i>	garp.kenya@gmail.com

Mozambique

<i>Secretariat</i>	Manhiça Health Research Centre (CISM)
<i>Working Group Chair</i>	Betuel Sigauque, Senior Clinical Researcher, CISM
<i>Vice Chair</i>	Esperanca Sevene, Eduardo Mondlane School of Medicine
<i>Coordinator</i>	Bessi Jacob, CISM
<i>Email</i>	bessi.jacob@manhica.net

Nepal

<i>Secretariat</i>	Nepal Public Health Foundation
<i>Principal Investigator</i>	Sameer Mani Dixit, Country Director, Center for Molecular Dynamics
<i>Working Group Chair</i>	Buddha Basnyat, Director, Oxford University Clinical Research Unit, Kathmandu
<i>Vice Chair</i>	Paras Pokharel, BP Koirala School of Public Health
<i>Coordinator</i>	Santoshi Giri, Nepal Public Health Foundation
<i>Email</i>	san.giri2008@gmail.com

Pakistan

*Secretariat
Working Group Chair
Vice Chairs*

*Coordinator
Email*

Shifa International Hospital
Dr. Ejaz Khan, Shifa International Hospital
Dr. Qurban Ali, Animal Husbandry Commissioner, Ministry of National Food Security and Research, and Dr. Sadia Shakoor Siddiqui, Assistant Professor, Agha Khan University
Dr. Ammad Fahim, Shifa International Hospital
garp.pakistan@outlook.com

South Africa

*Secretariat
Working Group Chair
Vice Chair*

*Consultant/Coordinator
Email*

University of the Witwatersrand
Professor Adriano Duse, Department of Clinical Microbiology & Infectious Diseases
Olga Perovic, Head of Microbiology External Quality Assessment Reference Unit, National Institute for Communicable Diseases
Kim Faure, Independent Consultant
kim.faure@mweb.co.za

Tanzania

*Secretariat
Working Group Chair
Vice Chair
Coordinator
Email*

Muhimbili University of Health and Allied Sciences
Said Aboud, Professor and Chair of Microbiology
Robinson Mdegela, Sokoine University of Agriculture
Vacant
millerpetrie@cddep.org

Uganda

*Secretariat
Principal Investigator
Working Group Chair
Vice Chair
Coordinator*

Email

Uganda National Academy of Sciences
Christian Acemah, Executive Secretary
Denis Byarugaba, Professor of Veterinary Medicine, Makerere University
Donna Kusemererwa, National Drug Authority
Stephen Baguma, Forum Director, Study Director, and Researcher, Uganda National Academy of Sciences
sbaguma@unas.or.ug

Vietnam

*Secretariat
Principal Investigator
Working Group Chair
Coordinator
Email*

Oxford University Clinical Research Unit (OUCRU), Hanoi
Rogier van Doorn, OUCRU, Hanoi Director
Nguyen Van Kinh, Director, National Hospital for Tropical Diseases, Hanoi (MoH affiliate)
Do Thuy Nga, OUCRU, Hanoi
ngadtt@oucru.org