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From commitment to action:

Strengthening collaboration through regional and global engagement

FIP AMR testimonial collection



Acknowledgements

FIP would like to express sincere gratitude to the FIP AMR Commission members and the authors who contributed their testimonials. Their contributions are invaluable in recognising the collective efforts of the pharmacy profession and highlighting the important role of pharmacists in tackling AMR. Thank you for being part of this initiative.

"Antimicrobial resistance is one of the greatest threats to public health and requires the involvement of all healthcare professionals. The General Pharmaceutical Council of Spain actively supports antimicrobial stewardship programmes and awareness initiatives aimed at both healthcare professionals and patients. Community pharmacy plays a key role in this area by promoting the responsible use of antibiotics, improving treatment adherence and preventing self-medication. We also collaborate in initiatives such as the adaptation of antibiotic pack sizes, led by the Spanish Agency of Medicines and Medical Devices (AEMPS) within the framework of the National Plan Against Antibiotic Resistance (PRAN), helping to reduce medicine leftovers and preserve the effectiveness of antibiotics for future generations."

Raquel Martínez
FIP Vice president
AMR-Commission co-chair
Spain



"At the FIP AMR Commission, we are deeply committed to driving global action against antimicrobial resistance while elevating the indispensable role of pharmacists worldwide. Championing public health advocacy, FIP leads this vital mission in close collaboration with the WHO, exemplified by milestones like the 2026 Antimicrobial Resistance Curriculum Assessment Tool for Pharmacy Education, and with the CDC by tackling the growing threat of antifungal resistance. Moreover, at the Portuguese Pharmaceutical Society, we translate this global vision into local action by strongly championing the expansion of community pharmacist-led vaccination to prevent infections. By uniting professionals, promoting rational antibiotic use and robust stewardship programmes, and fostering interprofessional teamwork, we safeguard critical medicines and protect global health for future generations."

Catia Caneiras
AMR-Commission co-chair
Portugal



"WHO is pleased to work with FIP to engage pharmacists in strengthening health systems and supporting a strong response to AMR. We see three key priorities: firstly, ensuring access to the essential antimicrobials that people need; secondly, improving their use through the AWaRe system to enhance clinical outcomes and prevent antimicrobial resistance; and thirdly, documenting and quantifying antimicrobial use so that policies can be informed by robust data."

Jean-Pierre Nyemazi
Acting director of AMR department
World Health Organization
Switzerland



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"As a pharmacist and clinical pharmacologist, my career has spanned medicines regulation, public health, and research and development, with a longstanding focus on antimicrobial resistance. My experience has reinforced the importance of pharmacists across the AMR response: from supporting appropriate antimicrobial use and stewardship to contributing scientific and regulatory expertise that can help translate innovation into patient impact. In my current work at WHO, I focus on aligning R&D and innovation with public health priorities, including medicines, diagnostics, vaccines and other approaches to build a coherent and cohesive response to address AMR. Pharmacy brings a unique and valuable perspective across this continuum, connecting evidence, responsible use, access and
patient care."

Valeria Gigante
Scientist, AMR R&D lead
World Health Organization
Switzerland



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"Antifungal stewardship is an often-overlooked component of antimicrobial stewardship programmes. Yet, antimicrobial-resistant fungi continue to spread globally. I've had the opportunity to work with pharmacists, infectious disease physicians, and other health care professionals to highlight the importance of using antifungals appropriately. This includes developing case-based scenarios to introduce pharmacists to high-impact antifungal stewardship interventions, working through a One Health perspective to address fungicide overuse in agriculture to prevent cross-resistance to human antifungals, and raising awareness of the negative effects of using corticosteroid-antifungal combination products on superficial fungal infections. FIP has committed to elevating the role pharmacists play in antifungal stewardship globally, and I'm grateful to contribute to this effort."

Dallas Smith
Mycotic Diseases Branch
US, Centers for Disease Control and Prevention
USA



"FIP has developed a range of impactful initiatives on antimicrobial resistance and antimicrobial stewardship to showcase and strengthen the contribution of pharmacists in tackling this global challenge. The FIP Declaration on Antimicrobial Resistance provides a strong commitment to mobilise our Member Organisations through our strategic plan towards 2030. By working together nationally and globally, we can strengthen the pharmacy profession's contribution to antimicrobial stewardship and help ensure a healthier future for generations to come."

Catherine Duggan
FIP Chief executive officer
The Netherlands



"The Argentinian Pharmaceutical Confederation (COFA), together with pharmacists, works on the importance of responsible antibiotic use and antimicrobial stewardship (AMS) in combatting antimicrobial resistance (AMR) based on Law 27.680 and the ministerial resolution 678/2026. This resolution includes a national plan of action for 2026 to 2029, created by the National Commission for the Antimicrobial Resistance Control. This law supports COFA's initiative by promoting vaccination, disease prevention to combat AMR, the rational use of antimicrobials based on diagnostic evidence, and public health education. To ensure this, COFA includes AMR in training programmes such as virtual courses, and at round tables at the Argentinian Pharmaceutical Congress, and distributing patient education campaigns to pharmacies."

Florencia Gómez
Coordinator of professional affairs
Argentina Pharmaceutical Confederation (COFA)
Argentina



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"Belgian pharmacists contribute to antimicrobial stewardship across the One Health continuum. In human healthcare, dispensing according to the prescribed treatment duration is mandatory, with the aim of promoting more responsible antibiotic use and preventing leftover medicines that may later be used for self-medication. In animal healthcare, pharmacists contribute to VAMREG, Belgium's response to the European requirement for a veterinary medicines registry.
Together, these initiatives demonstrate the potential of pharmacists to contribute to antimicrobial stewardship at both the patient and population levels. APB believes that responsible dispensing alone is not sufficient: evidence-based prescribing deserves equal attention as a fundamental pillar of antimicrobial stewardship. Together, responsible prescribing and responsible dispensing support more sustainable antimicrobial use and help preserve the effectiveness of antibiotics for future generations."

Michael Storm
President
Association Pharmacists Belgium
Belgium



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"Antimicrobial resistance is a global challenge that requires coordinated action across all healthcare professions. Hospital pharmacists play a key role within antimicrobial stewardship teams by supporting evidence-based prescribing, optimising antimicrobial therapy, identifying drug interactions, and educating healthcare professionals. In my own practice, strengthened pharmacist–physician collaboration has improved prescribing decisions and reduced clinically significant drug interactions, demonstrating the value of interprofessional teamwork. Continued investment in education, collaboration, and international partnerships led by organisations such as FIP is essential to promote responsible antimicrobial use and protect these life-saving medicines for future generations."



Darija Kuruc Poje
President-elect
European Association of Hospital Pharmacists
Croatia

"At the University of Ghana Medical Centre, antimicrobial stewardship is a shared responsibility across professions. Collaboration among pharmacists, physicians, nurses, microbiologists, and infection prevention teams has improved appropriate antibiotic prescribing, strengthened guideline adherence, and promoted responsible antimicrobial use. Pharmacists lead education, audit and feedback, and evidence-based interventions during ID consultations and AMS ward rounds in ICU, internal medicine, and paediatrics. FIP supported our efforts by recognising excellence in antimicrobial stewardship and awarding two pharmacists access to the Sanford Guide app following poster presentations at the 2025 FIP Congress. This resource strengthens evidence-based recommendations and patient care."



Josephine Mensah
Director of pharmaceutical services
University of Ghana Medical Centre
Pharmaceutical Society of Ghana
Ghana

"Antimicrobial resistance is a defining global health threat, and pharmacists are essential to preparedness and response. At the Royal College of Pharmacy, our Antimicrobial Expert Advisory Group brings together expertise from community and hospital practice, primary care, public health, academia and digital stewardship. We translate evidence, surveillance feedback and professional insight into policy, public communication and cross sector action. Guided by the FIP Copenhagen Declaration, we champion responsible antimicrobial use, infection prevention, point of care diagnostics, equitable access, One Health collaboration, patient involvement, and responsible artificial intelligence. Protecting antimicrobials requires leadership and partnership wherever medicines are prescribed, supplied or reviewed."

Tase Oputu
President
Royal College of Pharmacy
Great Britain



"In our country, antimicrobial stewardship (AMS) has not been a priority on the political agenda. Therefore, local, bottom-up strategies were—and still are—of utmost importance. One excellent example from Hungary is from a specialised cardiology hospital where the therapeutic drug monitoring service is run by the ward pharmacist, and a university-based laboratory is also led by a pharmacist. This pharmacist duet enables the optimal dosing and clinical success of many patients. A further example is from a regional university hospital where the emergency department specific cumulative antibiogram and related empirical antibiotic guideline development was headed by a pharmacist. Two cities and two different settings prove that pharmacists should be at the frontline to initiate changes."

Ria Benko
Professor, University of Szeged
Hungarian Society for
Pharmaceutical Sciences
Hungary



"The FIP Copenhagen Declaration has strengthened our resolve to translate commitment into action. In India, IPA's Infectious Disease Pharmacists programme has helped build momentum for the Infectious Disease Pharmacist concept, with several hospitals now looking for such specialists or grooming clinical pharmacists for these roles. At the policy level, India's National Action Plan-AMR 2.0 continues, while the recent Government circular reiterating that antibiotics must not be dispensed without a prescription strengthens responsible antibiotic use. The FIP–IPA vaccination training initiative has further strengthened pharmacists' capacity in prevention, while the FIP-SEARPharm NCD initiative advocates adult vaccination as an important strategy to prevent infections and reduce unnecessary antibiotic use. These are important steps forward, but in a country of 1.4 billion people, there is still a long way to go."

Manjiri Gharat
FIP India envoy
Vice-president, FIP SEARPharm Forum
India



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"At the Kuwait Pharmaceutical Association, we believe pharmacists are central to combatting antimicrobial resistance. In partnership with the Kuwait Center for Disease Prevention and Control (KCDC), we trained more than 300 healthcare professionals through the Antimicrobials ABC series and supported public awareness on responsible antibiotic use. We also contributed to Kuwait's multisectoral One Health collaboration, bringing together health, research, academic, environmental, agricultural, and international stakeholders to inform a national AMR white paper and action plan. Our contribution extends to OPAT awareness, training, and policy development, alongside two AMR research grant applications currently under review through the KuPhA Research Unit."

Ahmad Taqi
President
Kuwait Pharmaceutical Association
Kuwait



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"In Lebanon, antimicrobial stewardship has advanced through collaboration between academia, the Order of Pharmacists of Lebanon, and healthcare professionals. Together, we developed and implemented a competency-based educational programme for community pharmacists, nationally accredited and awarded the FIP Seal, to strengthen responsible antibiotic use and stewardship practices. This initiative demonstrated how education, interprofessional collaboration, and professional leadership can empower pharmacists to address AMR, even in a resource-constrained setting. FIP recognition through the FIP Seal strengthened the programme's credibility and facilitated its engagement with the global pharmacy community. Participants reported improved confidence and more rational approaches to antibiotic use, while sustaining long-term behavioural change remains our next priority."

Abdulrahman Merkbawi
President
Order of Pharmacists of Lebanon
Lebanon



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"Antimicrobial resistance demands action beyond healthcare policies—it requires change in everyday practice. At ANF (National Association of Pharmacies in Portugal), we have worked to empower community pharmacists to become active leaders in antimicrobial stewardship through education, professional development and public awareness initiatives. By strengthening pharmacists' capacity to promote responsible antibiotic use and engage patients in informed decision-making, we have helped reinforce community pharmacies as accessible and trusted settings for AMR action. Our experience shows that empowering pharmacists and supporting evidence-based practice can make a meaningful contribution to preserving the effectiveness of antimicrobials for future generations."

Ema Paulino
President
National Pharmacies Association
Portugal



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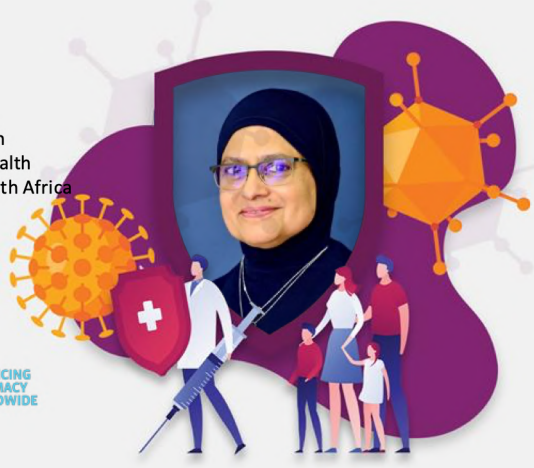
"Romania has strengthened its response to antimicrobial resistance by aligning national policies with WHO and ECDC recommendations and the One Health approach. Antibiotics are prescribed exclusively by physicians and dispensed to patients only by pharmacists. Since 2024, all dispensed antibiotics, including both reimbursed and unreimbursed prescriptions, have been centrally monitored. Order No. 1786/2025 also allows pharmacists to dispense certain antibiotics in emergencies without a prescription, limited to a 48-hour course under strict legal conditions. This marks an important step towards expanding pharmacists' clinical role under clearly defined legal conditions. Community pharmacies actively implement antimicrobial stewardship by ensuring responsible dispensing, counselling patients, promoting treatment adherence, and referring patients for medical evaluation, helping to preserve antimicrobial effectiveness and protect public health."

Bogdan Chiriac
President
Association of Pharmacies and Pharmacists of Romania
Romania



"Global Respiratory Infection Partnership (GRIP) activities are anchored in its pentagonal 5P Framework—Policy, Prevention, Prescriber, Pharmacy and Patient—which recognises that rational antibiotic use requires coordinated action across the health system. GRIP has translated this framework into accredited education, its practical 1-2-3 consultation approach, pharmacy algorithms, case studies, and patient resources supporting the symptomatic, non-antibiotic management of respiratory tract infections. Regional AMR roadmaps, FIP congress posters and the first antimicrobial stewardship workshop at FIP 2019 further demonstrate its impact. Through the 5Ps, pharmacists are empowered to assess and counsel patients, recommend evidence-based symptomatic care, collaborate with prescribers and policymakers, strengthen prevention, and reduce inappropriate antibiotic demand and use."

Sabiha Y. Essack
South African research chair in antibiotic resistance & one health
Pharmaceutical Society of South Africa
South Africa



"South Korea has strengthened antimicrobial stewardship through a national ASP pilot jointly led by the Ministry of Health and Welfare and the Korea Disease Control and Prevention Agency. Pharmacists are recognised as essential members of multidisciplinary ASP teams, leading prospective audit and feedback, antimicrobial optimisation, surveillance, and healthcare professional education. In parallel, Infectious Diseases Pharmacy has been established as one of nine nationally recognised Board-Certified Pharmacy Specialist fields, ensuring a sustainable ASP workforce. Early implementation has been promising: over 80% of participating hospitals have introduced ASP activities, education, and antimicrobial guidelines, while all participating hospitals have implemented restricted antimicrobial programmes."



Eun Young Kim
Advisor of committee on future pharmacy strategy and policy
Korean Pharmaceutical Association
South Korea

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