



Collaborative Learning through Expert Talks

Senior leaders and specialists in medicine and research deliver focused talks that anchor our workshops and give participants a clear, comprehensive understanding of AMR. We typically include 3-4 talks in a one-day workshop. Below is a concise overview of the topics and expertise we typically include:

AMR Champion: A senior clinician, public health expert, or policymaker with deep AMR experience explains AMR fundamentals, its rise as a global threat, and the need for a One Health approach across human, animal, and environmental sectors. They outline global and national AMR initiatives to broaden participants' perspective beyond clinical care.

Clinical Microbiologist: An infection-prevention and stewardship expert describes practical steps to prevent healthcare-associated infections, hand hygiene, equipment sterilization, and environmental cleaning. They review resistance-pattern monitoring, antibiotic policies, and responsible prescribing using frameworks such as AWaRe. This talk helps participants recognize and act on their individual responsibilities as a clinician within the hospital setting.

Clinical Expert: A clinician experienced in treating AMR cases discusses real-world decision-making and treatment challenges. Through case studies or role-plays, participants practice addressing common clinical dilemmas involving AMR infections.

AMR Scientist: We enable participants to interact with scientists working on AMR so they can understand current research efforts and the value of scientist-clinician collaboration. Scientists showcase recent advances in AMR surveillance, such as wastewater surveillance, or emerging approaches in antibiotic discovery, alternatives to antibiotics, and rapid diagnostics. When time permits, additional experts, including One Health veterinarians and engineers developing AMR diagnostics, also contribute.

Below, we outline the topics each expert covers and the guidance notes SaS provides to ensure their sessions remain complementary and non-overlapping. At the end of this document, we also include a list of experts who participated in our 26 AMR Frontline workshops held up to November 2025 across Hyderabad, New Delhi, Pune, Vijayawada, Bangalore, Mysore, and nearby regions.

Expert 1:

Title: AMR Demystified: An Introduction

Purpose: The presentation aims to clarify AMR's implications as a critical global health challenge and the collective effort needed to address it.

Expertise required: Senior Research Scientist, Clinician or Policy advocate with a long experience of working on AMR.

Topics covered:

1. Basic Understanding of Microbes and Infections
2. Understanding AMR: Explaining what AMR is, focusing on its natural occurrence and how misuse and overuse of antibiotics are exacerbating this process.
3. Drivers of AMR: Human and animal consumption, environmental factors – the need for one health approach
4. Stakeholders in AMR: Healthcare providers, patients, farmers, pharma, government and the public (everyone has a role to play)
5. Combating AMR: Overview of Global and National efforts including action Plans and scientific efforts.

Expert 2:

Title: Clinical Battlefront: Challenges due to AMR in clinical settings

Purpose: The talk will give medical students a deeper understanding of the clinician's perspective on AMR, focusing on the practical challenges of tackling AMR emphasizing the critical need for vigilance and informed practice in the fight against AMR.

Expertise required: Practicing clinician (preferably senior) from any of these specializations - Infection Disease specialist, Paediatrician/neonatologist, Emergency Medicine, Critical Care

Topics covered: This presentation will explore the intricacies of AMR in clinical practice. This is usually an interactive session with case studies.

1. Clinician's Role in AMR: Examining how clinician actions contribute to AMR's rise, emphasizing the need for responsible antibiotic use and judicious decision-making.

2. Real-World Experiences: Sharing personal case studies and examples from one's clinical practice, illustrating the challenges and complexities encountered due to AMR. This segment aims to provide a realistic view of how AMR complicates clinical decision-making and patient management.

Expert 3:

Title: Safe Zones & Watchful Eyes: Infection Control and Antibiotic Policy

Purpose: This session will provide insights into practical measures and policies essential for AMR management in healthcare settings.

Expertise required: Clinical microbiologist working in hospital settings

Topics covered: This talk aims to equip medical students with strategies to combat AMR in clinical settings. Key areas include:

1. Hospital Infection Control: Importance of stringent infection control measures, with a focus on practices like handwashing to prevent the spread of resistant microbes.
2. Antibiotic Policy and Stewardship: Overview of effective antibiotic policies in healthcare, highlighting proper prescription practices and how resistance is monitored in hospitals.
3. Clinicians' Role in Antibiotic Use: Emphasizing the pivotal role of clinicians in responsible prescribing and patient education about prudent antibiotic use.
4. Introduction to WHO's AWaRe Classification: Explaining the AWaRe classification system and its relevance in Indian contexts for responsible antibiotic usage.

Expert: 4 AMR Scientist

Expertise required: Research Scientist, Microbiologist of Medical practitioners with R&D experience or industrial experience in any area related to AMR

Topics covered:

Development of Diagnostics tool kits, new antibiotics or alternatives to antibiotics or surveillance strategies to combat disease outbreaks depending on the area of research of the expert.

ANNEXURE

List of expert speakers that contributed to one or more of our AMR Frontline workshops in the period from 2023-2025, in no particular order.

◆ Speakers from Scientific & Research Institutions

These speakers are affiliated with research, academic, scientific institutions or industries

Speaker	Affiliation	Contribution
Dr. L. S. Shashidhara	National Centre for Biological Sciences, Bengaluru	Evolution and science of AMR
Dr. Rakesh Mishra	Tata Institute for Genetics and Society, Bengaluru	One Health, wastewater surveillance
Dr. Mansi Malik	Tata Institute for Genetics and Society, Bengaluru	Molecular surveillance, indigenous assays
Dr. Shivranjani Moharir	Tata Institute for Genetics and Society, Bengaluru	Wastewater and air metagenomics
Dr. Arati Ramesh	Tata Institute for Genetics and Society, Bengaluru	AMR awareness and One Health
Dr. Farah Ishtiaq	Tata Institute for Genetics and Society, Bengaluru	Environmental AMR & agriculture
Dr. Dhanasekharan	CSIR-National Chemical Laboratory, Pune	Molecular mechanisms and sequencing
Dr. Radhika Soanker	All India Institute of Medical Sciences, Bibinagar	Clinical Pharmacology, Global AMR policy (GLASS, WHO)
Dr. Shraddha Karve	Ashoka University, Sonapet	Resistance mechanisms & vertical transmission
Dr. Shamily P. B.	Haystack Analytics	AMR trends, diagnostics pipeline
Dr Ranga Reddy Burri	Infection Control Academy of India	AMR advocacy, global and local perspectives on AMR

Speaker	Affiliation	Contribution
Dr Prashant Garg	L V Prasad Eye Institute, Hyderabad	The history and science of AMR and its clinical implications
Dr Anuj Sharma	Focal Point of AMR, World Health Organisation Office, India, New Delhi	AMR advocacy, WHO guidelines and efforts on AMR
Ms Sehr Brar	Office of Technical Focal Point for AMR, IPC and Labs, World Health Organisation- India Office, New Delhi	WHO guidelines and efforts on AMR
Dr Vijay Pal Singh	Food Safety, WHO-India	One-Health
Dr Surabhi Srivastava	Tata Institute for Genetics and Society, Bengaluru	AMR Surveillance efforts through APSI-India
Dr Aradhita Baral	Ashoka University, Sonapet	AMR Surveillance efforts through APSI-India
Mr Sachin Dubey	Module Innovations Pvt Ltd.	AMR Diagnostics
Dr Hitakshi Sharma	Formerly at Maulana Azad Medical College	Moderator, Community Medicine
Dr. Vasan Sambandamurthy	Bugworks Research Inc, Bangalore	Antibiotic Discovery

◆ **Clinical Microbiologists / Infection Control Specialists**

These are faculty and consultants with microbiology backgrounds or expertise in Infection Prevention & Control (IPC), stewardship, and laboratory diagnostics:

Speaker	Affiliation	Contribution
Dr. Sangeetha S.	Rajarajeshwari Medical College	AWARE classification & AMR control
Dr. Kavitha Karur	Jayadeva Institute, Bangalore	Stewardship and antibiograms
Dr. Sukanya R.	Motherhood Hospitals, Bangalore	ICU stewardship, fungal infections
Dr. Chaya Prathap	Narayana Multispeciality, Mysore	IPC, stewardship, and NAP-AMR
Dr. Nimrah Fathima	JSS Academy, Mysuru	MDR TB and new treatment regimens
Dr. Sonal Saxena	Maulana Azad Medical College, New Delhi	National resistance data and lab standards
Dr. Srivalli Bhagavathula	Blueflower Hospital, Vijayawada	IPC and stewardship
Dr Joveeta Joseph	L V Prasad Eye Institute Network, Hyderabad	AMR Stewardship, antibiograms, AWARE classification
Dr Bansidhar Tarai	Max Hospitals, New Delhi	AMR Stewardship, antibiograms, AWARE classification
Dr Prabhav Aggarwal	Maulana Azad Medical College, New Delhi	AMR Stewardship, antibiograms, AWARE classification
Dr Umabala Pamidimukkala	Nizam's Institute of Medical Sciences (NIMS), Hyderabad	IPC and AMR Stewardship, antibiograms, AWARE classification
Dr Rajesh Karyakarte	BJ Government Medical College, Pune	IPC and AMR Stewardship, antibiograms, AWARE classification
Dr Karishma Kaushik	IndiaBioscience, India	IPC and AMR Stewardship, antibiograms, AWARE classification
Dr Sushama Pednekar	BJ Government Medical College, Pune	IPC and AMR Stewardship, antibiograms, AWARE classification

◆ **Clinicians / Physicians (Medicine, Pediatrics, Critical Care, General Practice)**

These speakers are actively practicing physicians or faculty from clinical departments such as **Pediatrics, General Medicine, or Critical Care**:

Speaker	Affiliation	Specialty / Contribution
Dr. Anitha Kommalur	BMCRI	Pediatrics – case-based AMR training
Dr. Kavya S.	SIMSRC / Saptagiri	Pediatrics – real-world cases
Dr. Akshay H. M.	JSS Mysore	Critical care – ESKAPE bugs & antifungal use
Dr. Natraj	SSMC Tumkur	General medicine – AMR in common illnesses
Dr. Madhuvan H. S.	Akash Institute	General medicine – economics of prescribing
Dr. Rekha	MIMS Mandya	Internal medicine – practical AMR cases
Dr. James	SDUMC Kolar	Clinical risk-based dosing
Dr. Parashuram	BR Ambedkar Medical College	Empirical treatment decision-making
Dr. Sudhindra	Basaveshwara Medical College	Clinical acumen & diagnostics over lab-only reliance
Dr. Shivkumar	Subbiah Institute, Shimoga	Judicious use of combination therapies
Dr. Srivalli Bhagavathulla	Blueflower Hospital, Vijayawada	IPC and resistance pathways
Dr. Sivaranjani Santhosh	Magna Centres, Hyderabad	Patient education, diagnostics, irrational prescribing
Dr. Abdul Ghafur	Apollo Hospitals, Chennai	ID specialist – clinical AMR burden, policy link
Dr. Bhupesh Bagga	LV Prasad Eye Institute, Hyderabad	AMR clinical case studies in Ophthalmology, Live Theatre
Dr. Arati Kinikar	BJ Government Medical College, Pune	AMR clinical case studies in Pediatrics
Dr. Komal Singh	Bharti Hospital & Research Center, Pune	AMR clinical case studies, ID department