

ProMED-AMR Network: How is ISID driving global AMR surveillance and information sharing?

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**Strengthening AMR Surveillance & Capacity
Building through Evidence-based Solutions:
Perspectives from the Frontlines**

This event is brought to you by ISID and ICARS.



In collaboration with CAMO-Net and CARB-X.

camo-net **CARB-X**
Combating Antibiotic-Resistant Bacteria



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The Society is dedicated to developing partnerships and to finding solutions to the problems of infectious diseases across the globe and encourages the collaborative efforts of human health, veterinary health, and environmental health communities working locally, nationally, and globally for best control and management of infectious diseases.













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INTERNATIONAL CENTRE FOR
ANTIMICROBIAL RESISTANCE
SOLUTIONS

ProMED-AMR Network

 ProMED-mail  Português  Español  Русский  Mekong Basin  Afrique Francophone  Anglophone Africa  South Asia  Middle East/North Africa  Antimicrobial Resistance

Latest on COVID-19

Latest

Latest Posts On ProMED-AMR

06 Apr 2025 [Food safety \(23\): Bangladesh, XDR E. coli, K. pneumoniae, SCM, buffalo, milk](#)

06 Apr 2025 [Surveillance \(131\): evolution of AMR, 1998-2019](#)

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Published Date: 2025-04-06 14:35:39 CAT

Subject: PRO/AMR> Food safety (23): Bangladesh, XDR E. coli, K. pneumoniae, SCM, buffalo, milk

Archive Number: 20250406.8723429

FOOD SAFETY (23): BANGLADESH, EXTENSIVELY DRUG-RESISTANT ESCHERICHIA COLI, KLEBSIELLA PNEUMONIAE, SUBCLINICAL MASTITIS, BUFFALO, MILK

A ProMED-mail post

<http://www.promedmail.org>

ProMED-mail is a program of the
International Society for Infectious Diseases
<http://www.isid.org>

- Enhance global surveillance and information sharing on AMR & facilitate the early detection and reporting of AMR cases
- Promote collaboration among stakeholders & support efforts to develop effective interventions and policies to combat AMR
- Improve public health outcomes and mitigate the impact of AMR on human and animal health worldwide.

Data collection and surveillance

Field reporting



Informal online data mining



Surveillance and trend analysis



Epidemiological studies



Partnerships



Laboratory collaboration



Information sharing



ProMED-mail



ProMED
website



ProMED-AMR
dashboard



Educational
webinars



Collaborative
publications



Newsletters and
alerts



Social media
engagement



Specific projects
(CAMO-Net)

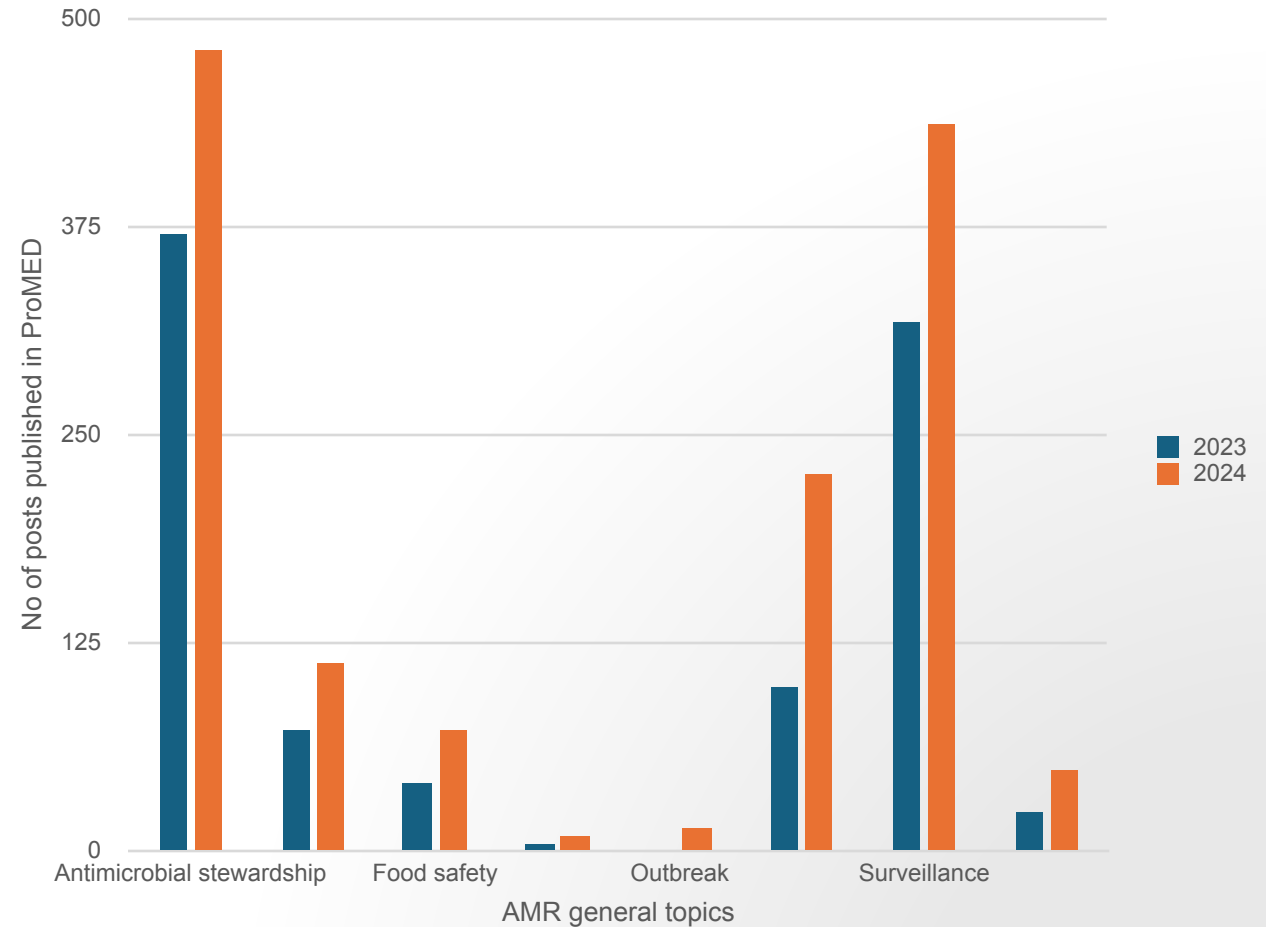


Partners
(samdesk)



Success Stories

- ProMED-AMR has posted over 4,000 alerts to the network, averaging over 900 posts per year. AMR posts cover outbreaks, surveillance, stewardship, research, innovation and other pertinent AMR-related topics
- Over 11,000 readers subscribe to receive email updates from ProMED-AMR, with many more reading the posts on the ProMED-AMR website



Latest on COVID-19

Latest

Latest Posts On ProMED-AMR

11 Apr 2025 [Bacteriophage therapy \(21\): China, K. pneumoniae, novel lytic phage, combat AMR](#)

11 Apr 2025 [Bacteriophage therapy \(20\): P. aeruginosa, chronic BTLs, personalized treatment](#)

11 Apr 2025 [Research & Innovation \(68\): flagellar rotation, transfer conjugative plasmid, combat AMR](#)

11 Apr 2025 [Research & Innovation \(67\): China, magnolia essential oil, AB & antioxidant action](#)

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Published Date: 2025-04-10 03:40:47 CEST

Subject: PRO/AMR> Surveillance (132): Turkiye, ICU infections, A. baumannii, P. aeruginosa, AMR, 2019-22

Archive Number: 20250410.8723513

SURVEILLANCE (132): TURKIYE, INTENSIVE CARE UNIT INFECTIONS, ACINETOBACTER BAUMANNII, PSEUDOMONAS AERUGINOSA, ANTIMICROBIAL RESISTANCE, 2019-2022

A ProMED-mail post

<http://www.promedmail.org>

ProMED-mail is a program of the International Society for Infectious Diseases

<http://www.isid.org>

Date: Sun 6 Apr 2025

Source: Contagion Live [edited]

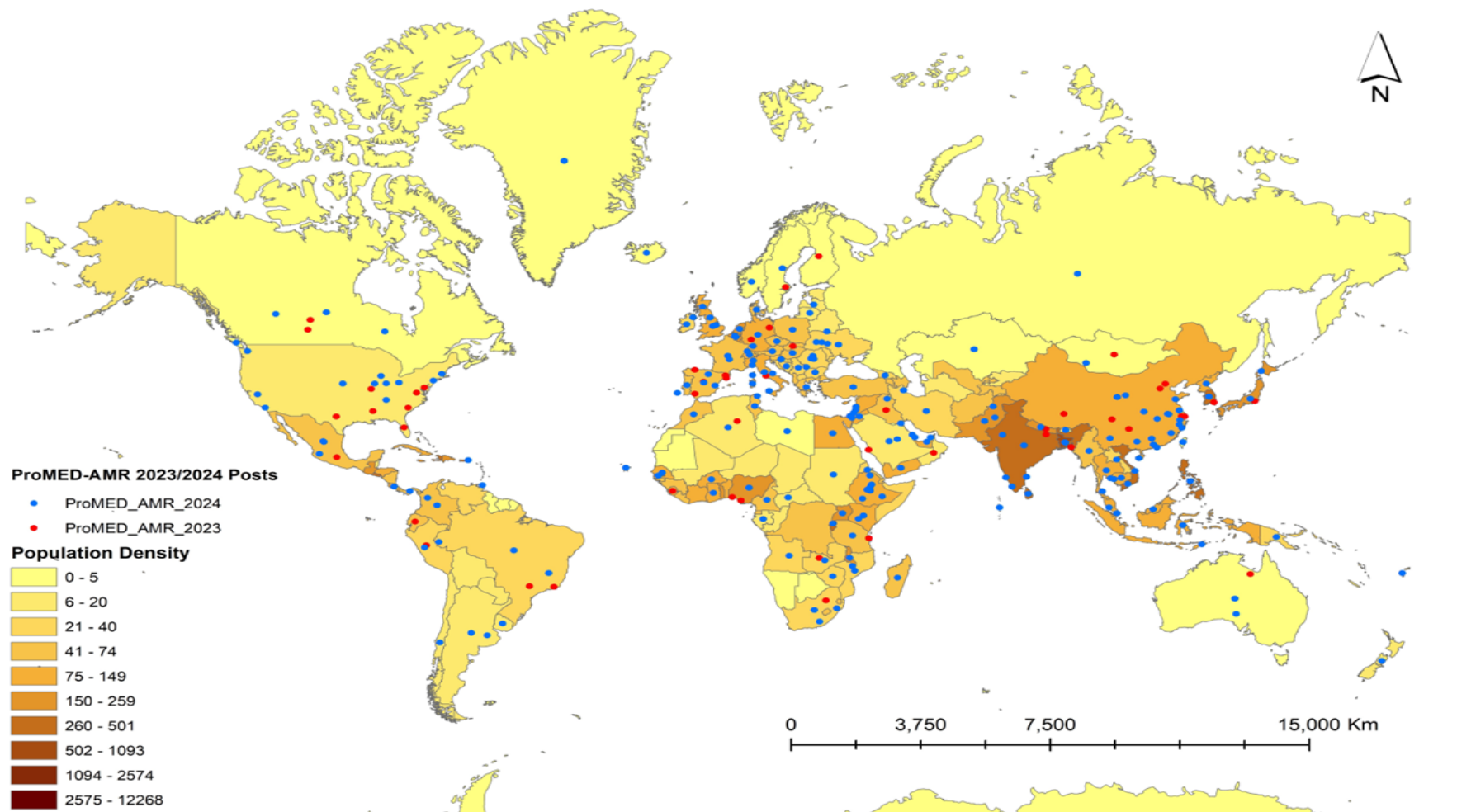
<https://www.contagionlive.com/view/a-hospital-relates-rise-in-antimicrobial-resistance-to-pandemic>

A hospital relates rise in antimicrobial resistance to pandemic



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ProMED-AMR Posts Global Distribution



Challenges

Inconsistent data reporting

Limited participation from some regions

Quality control of submitted data

Integration with local health systems

Resource constraints

Technological barriers

Slow adaptation to emerging trends

Public awareness

Collaboration among diverse stakeholders

An analysis of the topics posted in 2023/2024 indicates that around 9% of the posts are research abstracts and reviews, while only 2% are actual outbreaks or spread. This finding solidifies the perception of the paucity of data related to outbreaks of AMR organisms

Future directions

Future of ProMED

Read ISID's full statement
on the future of ProMED.

August 4, 2023

[Read More](#)



New customizable
dashboard for each
ProMED team member



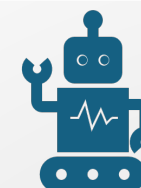
Use AI and ML to decrease
amount of time Mods
spend on manual
processes



Curated list of potential
signals for Moderators to
review based on their
expertise and/or geography



Use NLP to extract key
features from the signal
(e.g., disease, location,
case count)



Combination of AI, ML, and
NLP will help reduce time
from signal detection to
publication of information

Latest on COVID-19

Latest

Latest Posts On ProMED-AMR

11 Apr 2025 [Surveillance \(133\): Ethiopia, prevalence, AMR patterns, risk factors, UTIs, 2024](#)

11 Apr 2025 [Announcements \(01\): updated ProMED website and subscription model rollout](#)

11 Apr 2025 [Bacteriophage therapy \(21\): China, K. pneumoniae, novel lytic phage, combat AMR](#)

11 Apr 2025 [Bacteriophage therapy \(20\): P. aeruginosa, chronic BTIs, personalized treatment](#)

11 Apr 2025 [Research & innovation \(68\): flagellar rotation, transfer conjugative plasmid, combat AMR](#)

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Published Date: 2025-04-11 18:18:09 CEST

Subject: PRO/AMR> Announcements (01): updated ProMED website and subscription model rollout

Archive Number: 20250411.8723569

ANNOUNCEMENTS (01): UPDATED PROMED WEBSITE AND SUBSCRIPTION MODEL ROLLOUT

A ProMED-mail post

<http://www.promedmail.org>

ProMED-mail is a program of the
International Society for Infectious Diseases

<http://www.isid.org>

Date: Thu 10 Apr 2025

From: Dr. Jarod Hanson [edited]
jhanson@isid.org

Dear ProMED Users,

We are pleased to announce that on Wednesday, 16 Apr 2025, ProMED will be launching an updated ProMED user experience. As part of this transition, you will see convenient features and functionality, with expanded access options for ProMED's historical data archive.



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Thank You



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