



ANTIMICROBIAL RESISTANCE NEWSLETTER

A bi-weekly update by the National Antimicrobial Resistance Secretariat

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FEATURED EVENTS

2020 World Antibiotics Awareness Week: 18-24 November 2020

Theme: Antimicrobials: handle with care

NATIONAL ANTIMICROBIAL AWARENESS WEEK 2020

SCHEDULE OF ACTIVITIES

Monday 16 th November	Tuesday 17 th November	Wednesday 18 th November	Thursday 19 th November	Friday 20 th November	Saturday 21 st November	Sunday 22 nd November
<ul style="list-style-type: none"> Press release Armed Forces Radio (1pm – Abuja) 		<ul style="list-style-type: none"> Metro FM Webinar: Operationalizing One Health interventions on AMS in Nigeria 	<ul style="list-style-type: none"> Wazobia (11am-Abuja) UI Diamond FM(9:10am) TVC (8:15pm-Abuja) International webinar on Antimicrobial resistance: Current perspectives and Future Challenges Webinar: Virtual engagement with livestock farmers 	<ul style="list-style-type: none"> Human Rights Radio (7:30am-Abuja) Correct FM (Enugu) Interactive discussion: Honourable Commissioners of Health, Agriculture and Environment Webinar: Operationalizing One Health interventions on AMS in Nigeria International webinar on Antimicrobial resistance: Current perspectives and Future Challenges 	<ul style="list-style-type: none"> Cool FM (Kano) Metro FM (Lagos) Tweet chat with Africa CDC 	<ul style="list-style-type: none"> Jos Villa feed (6-7pm)
Monday 23 rd November	Tuesday 24 th November	Wednesday 25 th November	Thursday 26 th November	Friday 27 th November	Saturday 28 th November	Sunday 29 th November
<ul style="list-style-type: none"> One health webinar on AMR 	<ul style="list-style-type: none"> NTA(8-8:30am) Training of journalists on AMR 	<ul style="list-style-type: none"> Training with Fleming Fund Fellows Training of journalists on AMR 	<ul style="list-style-type: none"> Training with Fleming Fund Fellows 	<ul style="list-style-type: none"> Interactive discussion: State Epidemiologists, Vet Epidemiologist and State Environmental officers 	<ul style="list-style-type: none"> Public Webinar: Saving Antimicrobials for children- Preventing antimicrobial resistance 	

Key Event: Presentation to the Nigeria Governors' Forum

Antimicrobial resistance threatens all countries in different ways to varying extents and Nigeria is no exception to the challenges faced due to AMR.

In response to AMR threat in Nigeria, the AMR Coordinating Body was established at Nigeria Center for Disease Control by Honourable Minister for Health in 2016. The National response includes the establishment of the National Antimicrobial Resistance (AMR) Technical working group (TWG) and the development of the Situation Analysis (SITAN) and National Action Plan on AMR. To further create awareness on the threats of antimicrobial resistance, the World Health Organization has set aside the second week in November every year as Antibiotic Awareness Week. In commemoration of 2020 Antibiotic Awareness Week, the Nigeria Centre for Disease Control in collaboration with Ministries, Departments and Agencies across Agriculture, Environment and Health have outlined several activities in commemoration of the week. Report of activities conducted by individuals and organizations should be submitted to the AMR secretariat at NCDC.

Link to submit report of activities: <https://docs.google.com/forms/>

EVENTS

NATIONAL ANTIBIOTICS AWARENESS WEEK EVENT, NIGERIA

Title: **Operationalizing One Health interventions on AMS in Nigeria**

Link: <https://forms.gle/SyDABDuHbPkyCfpT8>

Date: 18, 20 **November 2020**

This webinar will bring together academics, scientists, and program managers across One Health sectors to deepen interdisciplinary conversations on antibiotic use and stewardship in Nigeria.

Title: **International webinar on Antimicrobial resistance: Current perspectives and Future Challenges**

Link: https://shooliniuniversity.zoom.us/webinar/register/WN_13l_klg1RUWMdx-kBo9jeg

Date: 19 **November 2020**

This webinar will discuss the current perspectives and future challenges of antimicrobial resistance.

Title: **Interactive discussion with Honorable Commissioners of Health, Agriculture and Environment**

Date: 20 **November 2020**

As part of the subnational engagement activities for the week, the Nigeria Centre for Disease Control in collaboration with Ministries of Agriculture, Environment and Health and support from the World Health Organisation and the Fleming Fund Country Grant Consortium is engaging the Commissioners of Health, Agriculture and Environment in 12 states. The objective is to introduce the national action plan on AMR and outline existing subnational structures, gaps and opportunities for instituting AMR surveillance and prevention activities in States.

Title: **One-Health webinar on AMR**

Link: https://shooliniuniversity.zoom.us/webinar/register/WN_13l_klg1RUWMdx-kBo9jeg

Date: 23 **November 2020**

This webinar coordinated by Federal Ministry of Agriculture and Rural Development will focus on engaging multiple stakeholders to discuss AMR using a one health approach

Title: **Training of journalists on AMR**

Date: 24-25 **November 2020**

In commemoration of the week, the Nigeria Center for Disease Control in collaboration with Ministries of Agriculture, Environment and Health and support from the World Health Organisation and ReAct Africa will train health reporters/journalists on AMR reporting to ensure that health reporters share amplified messages on antimicrobial resistance and other public health diseases

Title: **Training with Fleming Fund Fellows**

Date: 25-26 **November 2020**

The Fleming fund fellows in Nigeria will conduct a step-down training on antimicrobial resistance surveillance and antimicrobial use surveillance. The objective is to share the knowledge and skills acquired from the Fleming fund fellowship

Title: **Interactive discussion with State Epidemiologists of Health, Agriculture and Environment**

Date: 27 **November 2020**, 6:45am EST

The Nigeria Centre for Disease Control in collaboration with Ministries of Agriculture, Environment and Health and support from the World Health Organisation and the Fleming Fund Country Grant Consortium is also engaging the State Epidemiologists of Health, Agriculture and Environment in 12 states to introduce the national action plan on AMR and outline existing subnational structures, gaps and opportunities for instituting AMR surveillance and prevention activities in States.

Title: **Saving antimicrobials for the future generation – preventing the emergence of AMR”**

Date: 28 **November 2020**, 6:45am EST

To further create awareness on antimicrobial resistance, the Nigeria Centre for Disease Control is organizing a webinar to sensitize the public on the existence of antimicrobial resistance, how it affects their health, society and how to prevent its spread.

CONFERENCES

Title: **Sponsored Symposium on Annual Meeting Experience**

Link: <https://www.astmh.org/annual-meeting/exhibitors/2020-exhibitors>

Date: 17 **November 2020**, 6:45am EST

TropMed20 offers access to sponsored symposia. These informative sessions are held in conjunction with the Annual Meeting of American Society of Tropical Medicine and Hygiene.

Title: **2020 Clinical antibacterial pipeline advisory group conference**

Link: <https://www.who.int/news-room/events/detail/2020/11/23/default-calendar/2020-clinical-antibacterial-pipeline-advisory-group-meeting>

Date: 23 – 24 **November 2020**

Under the framework of the implementation of the Global Action Plan on Antimicrobial Resistance, WHO undertakes an annual quantitative and qualitative analysis of the clinical development pipeline of antibacterial treatments that target the WHO priority pathogens, Click [here](#) to register for the event

Title: **1st International Conference on Public Health in Africa**

Link: <https://africacdc.org/event/1st-international-conference-on-public-health-in-africa/>

Date: 12 **May 2021**

The first International Conference on Public Health in Africa, organized by Africa CDC, will focus on COVID-19 in Africa: review of lessons learned from the COVID-19 pandemic and opportunities to re-evaluate the new normal in public health practice in Africa.

TWITTER CHAT

Title: **CDC Twitter storm**

Link: <https://www.cdc.gov/antibiotic-use/w> <https://www.cdc.gov/antibiotic-use/week/toolkit>

Date: 18 **November 2020**, 15:00 CET

Join CDC AMR conversation on twitter in commemoration of the world antibiotics awareness week. Read more information on the [event](#)

Title: **Facebook Live with WHO Assistant Director General - Dr Hanan Balkhy**

Date: 18 November 2020

Join the WHO Assistant Director General on WHO twitter handle @WHO to discuss WHO's AMR response activities. Read more information on this [event](#)

Title: **How Can We Improve Awareness for Antimicrobial Resistance In Africa?**

Link: https://zoom.us/webinar/register/WN_dTykKfKlR9-IKBoZtiFMw

Date: 21 November 2020

Join Africa CDC for a 60-minute Twitter chat to share your views about how we can increase awareness for antimicrobial resistance in Africa. All stakeholders including healthcare professionals, civil society, policymakers, journalists, nurses, medical researchers, IT experts, veterinarians, pharma, students etc. locally and globally are welcome.

Title: **Flexible-content real-time PCR pathogen detection and analysis solutions**

Link: <https://www.thermofisher.com/ng/en/home/clinical/clinical-genomics/pathogen-detection-solutions>

Join the webinar series to learn more about laboratory analyses on pathogens that are readily onboarding molecular technologies to help manage infectious disease and the pressing need for tools that facilitate effective decision-making, improved future outcomes, and reduced cost of care.

PUBLICATIONS

GLOBAL

Antibiotic resistance [Périchon B](#), [Courvalin P](#), and [Stratton C](#)

In this study, authors explored the four major biochemical mechanisms of resistance including: (1) alteration of the target site, (2) enzymatic destruction/detoxification of the antibiotic, (3) reduced uptake or (4) active efflux of the drug. [Read more](#)

Clinical and economic impact of antibiotic resistance in developing countries: A systematic review and meta-analysis. [Founou R](#), [Founou L](#) and [Essack S](#)

This study aims at analyzing the published literature on the clinical and economic implications of ABR in developing countries. [Read more](#)

Developmental roadmap for antimicrobial susceptibility testing systems [Van Belkum A](#), [Bachmann T](#), [Lüdke G](#), et al

This study explored barriers, which include the utility of new methods, the complex process of validating new technology against reference methods beyond the proof-of-concept phase, the legal and regulatory landscapes, costs, the uptake of new tools, reagent stability, optimization of target product profiles, difficulties conducting clinical trials and issues relating to quality and quality control, and present possible solutions. [Read more](#).

Research, Innovation, and Policy: An Alliance Combating Antimicrobial Resistance. Van Hengel, A Marin L

The aim of this study is to draw the attention of the public health and global policy to the need of curbing AMR's rising trend by acting synergistically and boosting investment in developing solutions. [Read more](#)

Running a phase 3 trial for a new drug for gonorrhoea during the coronavirus pandemic. Markus Heep, Esther Bettiol, Tanyaporn Wansom and Hilary Johnstone

The study enrolled at least 600 microbiologically evaluable patients into three clinical visits: Enrolment and Treatment (day 1), Test-of-Cure (ToC, day 7) with microbiological testing as the primary endpoint assessment, and follow-up (day 30) to confirm safety and sustained eradication of pathogens. [Read more](#)

Technical brief on water, sanitation, hygiene (WASH) and wastewater management to prevent infections and reduce the spread of antimicrobial resistance (AMR) World Health Organization, Food and Agriculture Organization, World Organization for Animal Health

This study aimed at improving water sanitation and hygiene (WASH) and wastewater management in all sectors as a critical element of preventing infections and reducing the spread of antimicrobial resistance (AMR) as identified in the Global Action Plan. [Read more](#)

Global guidelines on the prevention of surgical site infection. Global Infection Prevention and Control Network

[This journal](#) focuses on setting standards through the development of WHO evidence-based recommendations and operating procedures, appropriate infection prevention and control (IPC) practices and the role of preventing and controlling antibiotic resistance in healthcare.

WEBINARS

CURRENT

Title: **Discovery of new antibacterial using artificial intelligence (computational cheminformatics)**

Link: <https://register.gotowebinar.com/register/1949187135756460557?source=PWIL1>

Date: 17 November 2020, 12 pm GMT

This Webinar will help your understandings in the connections between humans, animals, and the environment which are key to preventing and effectively stopping infectious disease outbreaks

Title: **The Global Response to drug-resistant infections - momentum, success, and critical gaps**

Link: <https://primetime.bluejeans.com/a2m/live-event/qdxpuatu>

Date: 18 November 2020, 3 pm GMT

In this webinar, The Wellcome Trust team will discuss the momentum, success, and critical gaps in Global Response to drug-resistant infections. Read the [report](#)

Title: **Emerging Infectious Diseases Preparedness – Looking Through the One Health Lens**

Link: <https://groups.google.com/d/msgid/onehealthnigeria/17A1C706->

Date: 18 November 2020, 12 pm GMT

This Webinar will help your understandings in the connections between humans, animals, and the environment which are key to preventing and effectively stopping infectious disease outbreaks.

Title: **AMR in the Light of COVID-19 Webinar Series Webinar 4: Responding to difficult-to-treat infections: role and responsibilities of governments, researchers, clinicians, industry, and patients**

Link: https://event.webcasts.com/starthere.jsp?ei=1365096&tp_key=834716974d

Date: 19 November 2020

Through the webinar series, global experts will discuss how the COVID-19 pandemic could reshape strategies for combating AMR around the world.

Title: **What is understood about AMR?**

Link: <https://www.who.int/campaigns/world-antimicrobial-awareness-week/2020/events-calendar>

Date: 19 November 2020, 10AM CET

Join the organisers: African Union (AU); WHO Regional Office for Africa AFRO); Africa Centres for Disease Control and Prevention (ACDC); Food and Agricultural Organization; Organisation for Animal Health (OIE); United Nations Environment Programme (UNEP) in this webinar to discuss antimicrobial resistance.

Title: **Release of Report on antimalarial drug therapeutic efficacy, resistance and response, 10 years of**

surveillance (2010–2019)

Link: https://who.zoom.us/webinar/register/WN_VR06aJLORt-tKtMSywhaNA

Date: 19 **November 2020**

The Global Malaria Programme (GMP) is hosting this webinar to mark the launch of this report, as well as this year's World Antimicrobial Awareness Week (WAAW)

Title: **Webinar 8 - Vaccinating against vaccine misinformation**

Date: 19 **November 2020**

Link: <https://us02web.zoom.us/j/82271250541?tk=>

This research will implement adherence to vaccination and public engagement through collaborations with experts in the social, behavioral and communication sciences, the team that developed a suite of instruments to understand & measure attitudes to vaccination.

Title: **Understanding and changing behavior to combat AMR - in the community**

Date: 19 **November 2020**

Link: <https://www.who.int/campaigns/world-antimicrobial-awareness-week/2020/events-calendar>

Join the organizers Pan American Health Organization (PAHO); Florida International University (FIU) as they discuss behavioural change in response to AMR

Title: **Emerging Fungal Infections and Infection Prevention and Control**

Link: <https://webbertraining.com/schedulep1.php>

Date: 19 **November 2020**

Teleclass Education is an international lecture series on infection prevention and control with the primary objective to bring the best possible infection prevention and control information to the widest possible audience with the fewest barriers to access. [Read more](#)

Title: **Country Experiences**

Link: <https://www.who.int/campaigns/world-antimicrobial-awareness-week/2020/events-calendar>

Date: 20 **November 2020**

In this webinar, African Union (AU); WHO Regional Office for Africa (AFRO); Africa Centres for Disease Control and Prevention (ACDC); Food and Agricultural Organization; Organisation for Animal Health (OIE); United Nations Environment Programme (UNEP) will discuss the AMR response experience of countries in different regions.

Title: **Saving children's lives – treating neonatal sepsis**

Link: <https://attendee.gotowebinar.com/register/6583374659993595663?source=direct>

Date: 20 **November 2020**, 10:30 CET. Find your time zone [here](#).

The webinar will address global and public health needs by developing and delivering new or improved antibiotic treatments, while endeavoring to ensure their sustainable access.

Title: **One-Health Action to Preserve Antibiotics**

Link: https://us02web.zoom.us/webinar/register/WN_sg3hY5-kSeCS8Hjkj2lerQ

Date: 20 **November 2020**

This webinar aims to deliberate upon and create awareness among stakeholders and the public on progress, challenges, and solutions regarding different aspects of AMR.

Title: Overcoming the drug resistant TB crisis in children and adolescents

Link: <https://docs.google.com/forms/d/e/1/viewform>

Date: 20 **November 2020**

In this webinar, the organizers; Global Tuberculosis (TB) Programme (GTB) and WHO will discuss drug resistant tuberculosis in children and adolescents

Title: Global AMR Youth Summit

Link: <https://docs.google.com/forms/d/e/WWF8YRI8oJS3bc1qP9prprMg/viewform>

Date: 20-22 **November 2020**

The first-ever global AMR Youth Summit is a 3-day virtual event where youth around the world come together to discuss, learn, and get empowered about various AMR related topics and challenges.

Title: Addressing HIV drug resistance to protect the effectiveness of HIV treatment

Link: https://who.zoom.us/webinar/register/WN_tRLVd-WQTfijCiQkoNJe8A

Date: 20 **November 2020**

The webinar will cover WHO's strategy to monitor and response to HIV drug resistance, latest global epidemiological data, new surveillance methods, and most recent data on resistance to new ARV medicines used for HIV treatment and prophylaxis.

Title: How can we improve awareness for antimicrobial resistance in Africa?

Link: <https://africacdc.org/event/how-can-we-improve-awareness-for-antimicrobial-resistance-in-africa/>

Date: 21 **November 2020**

The 60-minute Twitter chat to share your views about how we can increase awareness for antimicrobial resistance in Africa. will be holding a special webinar on the 21st November 2020. The 60-minute event will create awareness to the stakeholders including healthcare professionals, civil society, policymakers, journalists, nurses, medical researchers, IT experts, veterinarians, pharma, students etc. locally and globally are also welcome. Hosted by Vanessa Carter. The public transcript will be recorded by Symplur.

Title: Innovation to Address Antimicrobial Resistance (AMR) in Neisseria gonorrhoeae

Link: <https://who.zoom.us/j/92912753286/> Meeting ID: 929 1275 3286/Passcode: ST1-WA4W

Date: 23 **November 2020**

This webinar will discuss priority initiatives and innovations to control the spread and impact of gonococcal antimicrobial resistance (AMR).

Title: Neglected tropical diseases and One Health: gearing up against antimicrobial resistance to secure the safety of future generations

Link: https://who.zoom.us/webinar/register/WN_GMrdnqQvSomyBjBEKscNTg

Date: 24 **November 2020**

The Department of Control of Neglected Tropical Diseases is collaborating with WHO's Department of Global Coordination and Partnership on AMR is organizing this webinar to add the voice of NTDs and to encourage stakeholders adopt best practices and for policy-makers to avoid the emergence and spread of drug-resistant infections in general and for NTDs, in particular.

Title: The Impact of Flexible Panel-Based Solutions for Pathogen DetectionLink: <https://webbertraining.com/schedulep1.php>

Date: 25 November 2020

This webinar will help you: Explain how flexible-content panels can increase lab efficiency, reduce the need for additional testing, and provide more information from each test and to discuss how using these panels can help reduce testing costs.

Title: Re-Establishing the Utility of Tetracyclines for Current Challenges with Antimicrobial ResistanceLink: <https://www.contagionlive.com/interactive-tools/re-establishing-the-utility-of-tetracyclines/chapter-1>

This promotional program is sponsored by Paratek Pharmaceuticals, Inc. The primary objectives are to review the historical background on tetracycline discovery, learn about pharmacokinetic and pharmacodynamic similarities and differences of tetracyclines and discuss the clinical data supporting tetracycline use for common bacterial infections.

PAST (RECORDINGS)**Developing antibiotics for children – medical need and regulatory challenges**

The meeting organizers have published the PDF presentations from the webinar. Click here to view the [slides](#)

The Global Antibiotic Research and Development Partnership (GARDP) WHO/CDC IPC Global Webinar Series of the covid-19 pandemic on Antimicrobial Resistance and Healthcare-Associated infections aimed at addressing the global public

Title: Environmental Stress and Food CrisisLink: https://us02web.zoom.us/webinar/register/WN_UUXiTTdyTlegW-wca_Tdg

Date: 12 November 2020, 8:00PM GMT

The aim of the Nature Café on Environmental Stress and Food Crisis is to address the simple question of how to grow enough food to meet global population demands, with a focus on agricultural production and farming practices.

MENTORSHIP AND OTHER OPPORTUNITIES**Global Infection Prevention and Control Network (GIPC Network)**

The Global Infection Prevention Control (GIPC) Network aims to enhance local, national (member states) and international coordination and collaboration in the field of infection prevention and control (IPC) and to support WHO and member states' efforts on IPC as well as capacity building for surveillance. [Learn more about GIPC goal](#)

Focus on AMR - Tools and resources

This is a new advocacy document on infection prevention and control (IPC) to reduce the burden of AMR and to catch the attention of policy and decision makers by providing shocking data on the burden of AMR and bringing the voice of a patient harmed by an antibiotic-resistant health care-associated infection. It also demonstrates the impact of IPC in saving money and lives taken by AMR and proposes critical improvement actions that can be done immediately. This

LEARN MORE ABOUT AMR RESPONSE IN NIGERIA**National AMR situation:**

- Antimicrobial use and resistance in Nigeria: situation analysis and recommendations, 2017
https://ncdc.gov.ng/themes/common/docs/protocols/56_1510840387.pdf
- Joint External Evaluation 2017
https://ncdc.gov.ng/themes/common/docs/protocols/70_1511012198.pdf

Response plans:

- National Action Plan for Antimicrobial Resistance
https://ncdc.gov.ng/themes/common/docs/protocols/77_1511368219.pdf
- National Action Plan for Health Security
<https://ncdc.gov.ng/themes/common/files/establishment/5e88f9e22d2b4e4563b527005c8a0c43.pdf>
- Laboratory guidelines for AMR surveillance
- One Health Strategic Plan
https://ncdc.gov.ng/themes/common/docs/protocols/93_1566785462.pdf

To join the National AMR surveillance system (call to action):

- Assess the laboratory assessment checklist by clicking on the URL:
<https://ncdc.gov.ng/diseases/guidelines>
- Click on the NCDC AMR surveillance self-assessment checklist and complete the self-assessment form
- Send the form to amr_surv@ncdc.gov.ng

For other disease conditions

- Read the Weekly Epidemiology Report [here](#)

e-learning training package was collaboratively developed by the World Health Organization, the US Centers for Disease Control and Prevention, and the University of Washington Global Health E-Learning Program. [Learn more about the e-learning program.](#)

For feedbacks and other suggestions, please send a mail to amr_surv@ncdc.gov.ng.