



FEDERAL MINISTRY OF
HEALTH



FMARD
FEDERAL MINISTRY OF AGRICULTURE
AND RURAL DEVELOPMENT

ANTIMICROBIAL RESISTANCE NEWSLETTER

A Monthly Publication by the National Antimicrobial Resistance Secretariat

VOL. 03

JANUARY 2021

SPOTLIGHT

IN THIS EDITION

Spotlight

PAGE 1&2

Publications

PAGE 3&4

Mentorship

PAGE 4

Events

PAGE 5

Webinars

PAGE 5

Event Gallery

PAGE 5

Learn more

PAGE 7



AMR site assessment team at Anambra state ministry of health.

AMR Feasibility Assessment Visits

BY AMR SECRETARIAT

Following the interactive sessions with state stakeholders (State Commissioners of Health, Agriculture and Environment, State Epidemiologists and State Veterinary Officers) during the commemoration of the 2020 Antibiotics Awareness Week in November 2020, the Nigeria Center for Disease Control with support of the Fleming Fund Country Grant conducted a feasibility assessment from 21-31 December 2020 in the twelve states (Adamawa, Anambra, Bayelsa, Cross-River, Enugu, FCT, Kano, Kwara, Lagos, Osun, Taraba and Sokoto)...



"The AMR site assessment was conducted to assess the institutional capabilities and technical capacities for AMR at the State and Local Government levels."

The focus of the assessment was to obtain comprehensive information that is representative of AMR status across the country. Specifically, the assessment was conducted to assess the institutional capabilities and technical capacities for AMR at the State and Local Government levels. Key stakeholders including the Director of Public Health, State Ministry of Health, Director of Laboratory Services, State Epidemiologist, State DSNO, Director, State Hospital Management Board, and LGA DSNO (selected from one LGA within the capital city,) were interviewed across the states.

The information collated from these assessments will be used to develop a state-level strategy for the implementation of antimicrobial resistance response activities in the states.



AMR team with Kano state Director of Hospital Management Board



AMR team with CRS Director of Public health, State Epid and Director of Laboratory services

PUBLICATIONS

AFRICA NEEDS A NEW PUBLIC HEALTH ORDER TO TACKLE INFECTIOUS DISEASE THREATS. JOHN N NKENGASONG, SOFONIAS K TESSEMA

The SARS-CoV-2 pandemic has revealed that Africa needs a new public health order to be resilient, to adapt, and to cope with 21st-century disease threats. The new order will need strengthened continental and national public health institutions; local manufacturing of vaccines, therapeutics, and diagnostics; attraction, training, and retention of a public health workforce; and fostering of respectful local and international partnerships.

Read the paper::

<https://pubmed.ncbi.nlm.nih.gov/33064983/>

FELLOWSHIP PUBLICATION: ANTIBIOTIC USE AMONG POULTRY FARMERS IN GHANA, DORMAA MUNICIPALITY. MARY NKANSA

Antibiotic use has contributed significantly to many successes in human medicine and improvement in animal welfare. There is however global concern about non-regulation of antibiotics in food producing animals due to the great threat it poses to public health.

Read the paper here:

<https://www.flemingfund.org/publications/fellowship-publication-antibiotic-use-among-poultry-farmers-in-ghana-dormaa-municipality/>

CHALLENGES AROUND COVID-19 AT A TERTIARY-LEVEL HEALTHCARE FACILITY IN SOUTH AFRICA AND STRATEGIES IMPLEMENTED FOR IMPROVEMENT. T THOMASI, A E LAHER, A MAHOMED, S STACEY,

SARS-CoV-2 has resulted in a global pandemic within months following its initial detection. South Africa (SA), like many other countries, was not prepared for the impact this novel infection would have on the healthcare system. In this paper, the authors discuss the challenges experienced while facing COVID-19 at a tertiary-level institution in Gauteng province, SA, and the dynamic strategies implemented to deal with the epidemic.

Read the paper:

http://www.scielo.org.za/scielo.php?script=sci_arttext&pid=S0256-95742020000900002

COVID-19 OUTBREAK IN A LARGE PENITENTIARY COMPLEX, IN BRAZIL. F.A. GOUVEA-REIS, P.D. OLIVEIRA, D.C.S. SILVA, L.S. BORJA, J. PERCIO, C. DE MORAES ET AL.,

In this report, we provide a descriptive analysis of the outbreak and estimate the disease transmissibility in its early stages. Data were collected from secondary sources, including the penitentiary monitoring dataset for COVID-19 notifications, the penitentiary administration system, and the monitoring resources of the healthcare system.

Read the article here:

https://wwwnc.cdc.gov/eid/article/27/3/20-4079_article

ANTIMICROBIAL USE, DRUG-RESISTANT INFECTIONS AND COVID-19; TIMOTHY M. RAWSON, DAMIEN MING, ET AL,

This article highlights the need for coordinated strategies at the individual, healthcare and policy levels are urgently required to inform necessary actions to reduce the potential longer-term impact on AMR and on access to effective antimicrobials.

Read the paper here:

<https://www.nature.com/articles/s41579-020-0395-y>

GENOMIC EVIDENCE OF IN-FLIGHT TRANSMISSION OF SARS-COV-2 DESPITE PREDEPARTURE TESTING. T. SWADI, T. DEVINE, A. KENNY

Since the first wave of coronavirus disease in March 2020, citizens and permanent residents returning to New Zealand have been required to undergo managed isolation and quarantine (MIQ) for 14 days and mandatory testing for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). To assess possible points of infection, the authors analysed information about the journeys, disease progression, and virus genomic data of the citizens and permanent residents returning to New Zealand. All 7 SARS-CoV-2 genomes were genetically identical, except for a single mutation in 1 sample. Despite pre-departure testing, multiple instances of in-flight SARS-CoV-2 transmission are likely. Learn more

Read the paper here:

https://wwwnc.cdc.gov/eid/article/27/3/20-4714_article

PUBLICATIONS

ANTIMICROBIAL
STEWARDSHIP
PROGRAMME: A VITAL
RESOURCE FOR HOSPITALS
DURING THE GLOBAL
OUTBREAK OF
CORONAVIRUS DISEASE
2019 (COVID-19) YIXIN
LIEW, WINNIE HUI LING LEE
LUNYI TAN

Healthcare resources are being diverted for the containment and control of coronavirus disease 2019 (COVID-19). The authors conducted a retrospective review on the increase of antibiotic misuse especially for respiratory tract infections.

Read the article here:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7449939/>

BACTERIAL AND FUNGAL
COINFECTION AMONG
HOSPITALIZED PATIENTS WITH
COVID-19: A RETROSPECTIVE
COHORT STUDY IN A UK
SECONDARY-CARE SETTING S.
HUGHES, O. TROISE, H.
DONALDSON, N. MUGHAL AND
L.S.P. MOORE

This article highlights the results of a retrospective observational study across two London hospitals during the first UK wave of coronavirus disease 2019 (COVID-19) with the objective of investigating the incidence of bacterial and fungal coinfection of hospitalized patients with confirmed severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)

Read the paper here:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7320692/>

NOSOCOMIAL INFECTION
AMONG PATIENTS WITH
COVID-19: A RETROSPECTIVE
DATA ANALYSIS OF 918 CASES
FROM A SINGLE CENTER IN
WUHAN, CHINA YAN HE, WEI LI,
ZHEN WANG, HUILONG CHEN,
LEI TIAN AND DONG LIU

The authors investigated nosocomial infection among COVID-19 patients, and analyzed risk factors to provide basic data for nosocomial infection prevention and control. They analyzed clinical data regarding patient demographics, basic disease, and treatments, and summarized influencing factors of NI among COVID-19 patients.

Read the paper here:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7180328/>

MENTORSHIP AND OTHER OPPORTUNITIES

TELE-MICROBIOLOGY: TOP TIPS FOR VIRTUAL LAB TRAINING

The Technical University of Denmark (DTU), along with several other Fleming Fund stakeholder has been using distance learning combined with online e-learning courses throughout 2020 and now plans to use more virtual learning to teach microbiology and practical laboratory skills in 2021. Some of the virtual training include: virtual interactive bacteriology training, bacterial identification, EUCAST; preparation of inoculum, DTU; AMR theory and methods and DTU; whole genome sequencing.

Read More: <https://www.coursera.org/learn/antimicrobial-resistance?>

FLEMING FUND ONLINE AMR COURSE

The Fleming Fund, in partnership with the Open University, is releasing a free online course comprised of 24 online modules, including videos, diagrams, reflective activities, self-assessment questions, and quizzes.

Enroll here:

<https://www.flemingfund.org/publications/fleming-fund-online-amr-course/>

EVENTS

Update of the WHO Global technical strategy for malaria 2016–2030

The WHO Global technical strategy for malaria 2016-2030 adopted by Member States in May 2015 is designed to guide and support all malaria-affected countries as they work to reduce the human suffering caused by the world's deadliest mosquito-borne disease. The strategy sets four global targets for 2030, as well as interim milestones to track progress.

Link: <https://www.who.int/news-room/events/detail/2021/01/28/default-calendar/updating-the-who-global-technical-strategy-for-malaria-2016-2030>

Date: 28 January 2021 14:00 – 16:00 UTC

Fourth Global Vaccine and Immunization Research Forum (GVIRF)

The GVIRF is a unique forum in the field of vaccines and immunization. It is the central discussion platform of all research aspects related to the Global Vaccine Action Plan (GVAP), which was developed in the context of the decade of vaccines collaboration and endorsed by the 2012 World Health Assembly. The GVIRF 2021 will be a virtual forum.

Link: https://www.who.int/immunization/research/forums_and_initiatives/gvirf/en/

Date: 22 – 25 February 2021

FAO/OIE/WHO Webinar: Instruments on Antimicrobial Use

Recently the Tripartite Report was launched by the three Director-Generals during the World Antimicrobial Awareness Week. This webinar will provide an overview and review of international instruments that set standards related to the use of antimicrobials across the human, animal and plant sectors, and their release into the environment, including gaps and opportunities for next steps.

Link: <https://www.who.int/news-room/events/detail/2021/02/10/default-calendar/fao-oie-who-webinar-on-instruments-on-antimicrobial-use>

Date: 10 February 2021 15:00 – 16:30 CET

WEBINARS

NEXT-GENERATION SEQUENCING IN CLINICAL PRACTICE: CURRENT STATUS AND FUTURE NEEDS

Dr. Phillips will discuss the current state of implementation of next-generation sequencing in clinical practice, challenges ahead, and the need for additional data on implementation and outcomes including economic data and linkages of clinical and public health data. Dr. Philips is a leader in the application of new technologies to improve healthcare.

Register here:
https://www.cdc.gov/genomics/events//next_gen_2021.htm

Date: February 18, 2021, 11:00 am -12:00 pm ET

VIRTUAL MEETING ON AWARENESS RAISING AND RISK COMMUNICATION

The aim of this meeting for members of the WHO Global Chemicals and Health Network is to share experience in awareness-raising campaigns and risk communication for successful chemicals management. Awareness-raising is a process that seeks to inform and educate people about a topic or issue with the intention of influencing their attitudes, behaviors, and beliefs towards the achievement of a defined purpose or goal.

Register here:
<https://www.who.int/newsroom/events/detail/2021/01/28/default-calendar/virtual-meeting-on-awareness-raising-and-risk-communication>

Date: 28 January 2021 14:00 – 16:00 CET

EVENT
GALLERY

**FLEMING FUND COUNTRY
GRANT JOINT PLANNING
MEETING FOR QUARTER 1,
12TH JANUARY 2021
TRANSCORP HILTON, ABUJA**



LEARN MORE ABOUT AMR RESPONSE IN NIGERIA

Antimicrobial Use and Resistance in Nigeria

SITUATION ANALYSIS AND RECOMMENDATIONS

RESPONSE PLANS:

- Antimicrobial use and resistance in Nigeria: situation analysis and recommendations, 2017: https://ncdc.gov.ng/themes/common/docs/protocols/56_1510840387.pdf
- National Action Plan for Health Security <https://ncdc.gov.ng/themes/common/files/establishment/5e88f9e22d2b4e4563b527005c8a0c43.pdf>

NATIONAL AMR SITUATION:

- National Action Plan for Antimicrobial Resistance: https://ncdc.gov.ng/themes/common/docs/protocols/77_1511368219.pdf
- Joint External Evaluation 2017 https://ncdc.gov.ng/themes/common/docs/protocols/70_1511012198.pdf

National Action Plan for **ANTIMICROBIAL RESISTANCE** 2017-2022

TO JOIN THE NATIONAL AMR SURVEILLANCE SYSTEM (CALL TO ACTION):

1) Assess the laboratory assessment checklist by clicking on the URL: <https://ncdc.gov.ng/diseases/guidelines>

2) Click on the NCDC AMR surveillance self-assessment checklist and complete the self-assessment form

3) Send the form to amr_surv@ncdc.gov.ng

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