

## JOINT EVENT

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**Implementing antimicrobial consumption surveillance across 14 states in Nigeria**

**Introduction:** Several studies show that 80% of antibiotics are consumed in communities than in health facilities. The Nigeria Center for Disease Control (NCDC), University of Maryland (UMB) and Center for Clinical Care and Clinical Research (CCCRN) introduced national antimicrobial consumption surveillance (AMCS) system to provide information on community consumption of antibiotics. This abstract looks at the implementation phase of a novel mobile reporting system for antibiotic use adopted as a strategy for monitoring antibiotic consumption in the community.

**Methodology:** Fifteen (15) community pharmacists (CPs) were identified across four pilot states in Nigeria. This was later scaled up to 71 CPs across 14 States. Capacity building was held for the CPs on AMCS and use of the tool to collate sales record. This training was carried out in collaboration with the respective state epidemiology units who provide supervisory oversight to the CPs. Monitoring of reports (timeliness and antibiotic use) and quality indicators adapted from the European surveillance of antimicrobial consumption (ESAC) was conducted weekly.

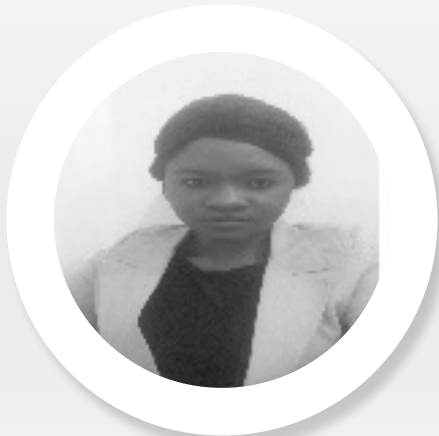
**Results:** In the first 12 weeks post deployment in the pilot states, average weekly timeliness of report recorded was 40% from 15 CPs. Highest reporting was 58% in week 38 and lowest was 20% in week 42. Amoxicillin (J01GB06) was the most sold antibiotic (32.6%) of overall antibiotic sales in four states.

**Conclusion:** Implementation of AMCS tool for reporting antibiotic sale was successful. The need to expand the tool to other health settings should be considered to provide insight to antibiotic misuse and abuse and help seek appropriate interventions.

**Biography**

Helen Adamu is an Epidemiologist and is the focal person of Antimicrobial Consumption Surveillance representing her organization with the Nigerian Center for Disease Control. Her work created new interest in antimicrobial use surveillance for improved surveillance system. She is an avid Researcher with seven papers published in reputable journals.

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**Notes:**