**Title:** **DHIS 2 ANALYTICS TOOLS ACADEMY**

**Training Body: University of Oslo, Health Information Systems Programme**

**Venue: Amber Residence, Lagos State.**

**Date: 6th – 11th May, 2019.**

**Training Overview**

The 6-day training was aimed at sharing data use experiences from different country implementation programmes and learning to use analytical tools within DHIS2. The training provided room for producing, sharing, describing and receiving feedback on analytical outputs, importing data analysis and to develop presentation skills as well as provide participants with practical experience of DHIS2 Software.

It was also an introduction to the updated versions and features of the software.

**Day 1: Introduction to learning Platforms – Overview**

This consist of detailed explanation on the upgrades and new features of the software, introduction to the DHIS2 Analytics Tools (Pivot tables, Data Visualizer, maps, scorecards and dashboards). Participants were taught on how to make use of metadata i.e. how to provide information about data, how configuration of the software affects outputs, how to make use of validation rules to ensure accurate results during analysis. Every other day was dedicated to a particular data analytic tool.

**Day 2: Data Quality in DHIS 2 – Overview**

we were introduced to the importance of data quality in carrying out analysis using the Validation Rule Analysis and Notifications. The use of Pivot Tables was taught extensively covering how to: work with disaggregation and group sets, download data, select number types and measure criteria. Also, dimension selection, layout and table options, legends which make data analysis more interactive and easily comprehensible were taught.

**Day 3: Data Visualizer & Maps­– Overview**

We explored data Visualizer as a good analytic tool within the DHIS2, covered: Dimension Selection and disaggregation of group sets and chart options. Other Chart Types including Pie and Radar Charts, Cumulative and Year over Year Charts, were also taught.

Maps which are used for spatial data analysis can also be used on the DHIS 2 software. From this, participants were taught on how to: make use of the map interface, add layers (Thematic, Boundary, and Facility) to a map, interpret and work with predefined legend sets, as well as downloading maps/data.

**Day 4: Scorecards – Overview**

Participants were taught how scorecards can be created and used to analyze data and compare data elements/indicators. Also, the WHO Data Quality Tool which can be used to review Data Quality was introduced to all participants.

**Day 5: Dashboards – Overview**

The dashboard which houses data elements for public viewing, was explained to all participants involving how to: create & add items to new dashboards, and share items on the dashboard to other users and the public in general. Also, participants were taught about the Data to Action Framework by writing descriptions in DHIS2 using the Interpretations Panel. At the end of the fifth day, participants were asked to carryout Comprehensive Hands-on Individual Exercises.

**Day 6: Overall overview of the training and exams**

Participants shared **experiences from there** Implementation of the DHIS2 software in their health programs and were taught the various considerations to be made in making use of the software. Participants wrote an Exam containing questions on all what had been taught all through the training. Also, they were introduced to the DHIS2 Academy Community of Practice for further enquiries or questions from various countries. Finally, Academy Certificates were awarded to all participants at the end of the training.

**Benefits to the NGF**

1. More detailed and interactive analysis will be carried out and be used to update the dashboard of the Forum.
2. Real time data are readily available to the public and this will help improve decision making in the Health Sector, which is a priority of the NGF.
3. Finally, facts gotten from analysis conducted will help inform decision making and advocacy for the Forum in general.

**Conclusion**

The training was helpful as we became more conversant with several features within the software that can be used for more detailed analysis. These skills gotten will be used to improve the health dashboard of the Forum.

**Take Away**

* Training Materials
* Online Hands-on exercises and practise.
* Training Certificate
* Networking opportunities through registration on the DHIS2 worldwide community platform