

DHIS2 Specialized Country Academy, Dhaka, Bangladesh 23 to 27 October 2022

HISP Bangladesh pleased to announce the “DHIS2 Specialized Country Academy” for Bangladesh to be held from 23 to 27 October 2022 at the Six Seasons Hotel in Dhaka, Bangladesh. HISP Bangladesh warmly invite you to attend the DHIS2 Specialized Country Academy 2022 in Dhaka, Bangladesh.

Background

HISP Bangladesh is a member of Global HISP community have been collaborating with University of Oslo and other country HISP communities to organize global and regional DHIS2 academies from the beginning. With the increase of demand of DHIS2 related capacity building due to evaluation of scale and quantity of DHIS2 implementation in Bangladesh by Government and other organization working in development arena, HISP Bangladesh with University of Oslo organized DHIS2 regional academy in 2018 and 2019. Physical DHIS2 academy has been dropped in 2020 and 2021 due to COVID-19 pandemic restriction. To meet the country capacity building demand, HISP Bangladesh have organized several online and offline training, capacity building and on the job facilitation to support special need due to long duration gap of in-person academy after 2019 and additional need from COVID-19 and FDMN response. HISP Bangladesh is going to organize a specialized country academy for Bangladesh to meet the in-country demand of DHIS2 related capacity building from different organizations, stakeholders, partners and individuals.

Themes/Objectives

The DHIS2 Country Academy is a specialized course that will cover the basic concepts of designing, collecting, analyzing, and performing preliminary administration on aggregate, event and case-based data with a focus on country need. Through a blending of lecture and hands-on training, participants will learn how to customize DHIS2 for aggregated, tracking and event-based programs for both on web and android, configuring software to support routine, surveys, and longitudinal/programmatic tracking of beneficiaries/commodities. Course covers aspects of DHIS2 feature set supporting event (encounter) and patient/other entity tracking data. Participants will be introduced to concepts of designing, collecting, analyzing, and performing preliminary administration on event and case-based data through a mix of lectures and exercises.

We are expecting professionals/staffs from organizations and their partners working in health, nutrition, food security, WaSH, education, humanitarian, multisectoral approach and other development arena to join us for these five days country specialized training on DHIS2. The following broad themes will be part of this academy:

- ⊄ **Conceptual Model of DHIS2:** Understanding the information cycle, the hierarchy of standards, knowledge of different health and other program like Immunization, Maternal and child health program, non-communicable disease program, Nutrition program, School program etc.
- ⊄ **The DHIS 2 Aggregate Design & Customization structured:** DHIS2 design principle, and core practice on DHIS2 customization; Good practices for tidy databases and data quality; Create,

administer and maintain the organization and hierarchy, data elements with categories, data sets, indicators, validation rules and standard deviation analysis; Perform detailed user management with roles & authorities; Preparing for data analysis, Data elements and indicators, Data collection, data quality and visualization, Data sharing and dashboards. Ultimately goal to develop a complete aggregated dataset design for data collection

- ∓ **Tracker-based terminology and data model:** Understanding the individual beneficiary based, event and tracker related concept and terminology, tracker functionality and data model in DHIS2. It will introduce the knowledge on individual case-based data recording functionality, morbidity and mortality related events, survey design, maternal health, child health, immunization, chronic and acute patient including non-communicable diseases tracking, logistic tracking etc.
- ∓ **Event and Tracker program design and configuration:** Event and Tracker design principle, and its customization on DHIS2; good practices for event/tracker program design; create and maintain the event and tracker base program, event data elements with option sets, program design with staging concept, program rules with different skip logics, program indicators, sharing setting etc. Ultimate goal to build capacity of participants to design complete event and tracker base software functionalities for collecting event data and tracking patient/other entities.
- ∓ **Case base program SMS and email configuration:** Customization of SMS, message, email in different level, such as SMS to patient/service receiver, service provider, frontline health worker, managers etc.
- ∓ **Use case discussions:** Using different real use-cases from the field implementation all over the country and beyond in contextual cases to discuss and demonstrate different program features as well as implementation successes, challenges and lesson learnt. Reviewing and documenting requirements of any DHIS2 systems and creating system in DHIS2 through the setup of DHIS2 aggregate, tracker and blending systems.
- ∓ **New Event and case features of latest version of DHIS2:** DHIS2 is continuously developing new functionalities based on requirement from all over the world. Understanding and configuring the new features that can be used to support current and upcoming requirement for the implementation of tracker in DHIS2 system.
- ∓ **Analysis data:** Review of the methods that can be used in DHIS2 to support the output and analysis of data. Preparing for data analysis, event reports, event visualizer and GIS map etc.
- ∓ **Data Protection:** Discussion on mechanisms of individual data protection, configuring confidentiality and user permission in different level, emergency management and auditing etc..
- ∓ **Advanced features DHIS2:** Understanding and configuring the new features that can be used to support the implementation of DHIS2 system.
- ∓ **Integrated HIS system implementation and support:** Discussion on mechanisms of developing integrated HIS system and its implementation. How to work with different community.

A practical training programme will make sure the facilitators and participants can work together on learning the principles and skills required to customize your own event/tracker base system. One of the objectives of DHIS2 Academy is to emphasize experience and solution sharing among countries, programs and to promote networking and collaboration among DHIS2 implementers in the region. With this in mind, this academy will include several global and regional DHIS2 experts where you will be able to discuss your requirements and implementations during the academy.

- € **Muhammad Abdul Hannan Khan** *Team Leader, HiSP Bangladesh*: Having 25 years of experience in project management in international environment with experience in working with international agencies, civil society and NGOs, including health sector, Mr. Khan have proven team leading expertise on several projects including implementation of District Health Information Software 2 (DHIS2) as a national Health Management Information System, as a Community HMIS in Bangladesh and regional countries. He is supporting the customization implementation of DHIS2 in several countries throughout Asia/Pacific, including CRVS system, HMIS system in Maldives and Timor-Leste. He is the key person who implemented DHIS2 in Bangladesh, as well as he worked with WHO and Global Fund, UiO and other organizations for DHIS2 implementation and other HIS areas. Mr. Khan has vast experiences in large scale database management, security, DHIS2 server and database including integration with other DHIS2 and external applications.

- € **Nayeem Al Mifthah** *HMIS expert, HiSP Bangladesh*: Having Public health, ICT, Planning, Statistics and data science related educational background, Mr. Nayeem is experienced across with different global development partners, and government on ICT, Health MIS, digital technology-based beneficiary and commodity tracking, public health, MNCH, EPI, Surveillance, Multisectoral Nutrition, M&E, GIS, assessment of interventions, and planning in Bangladesh and other LMICs across Asia and Africa. Experienced in diverse requirement analysis for HIS, design DHIS2 (aggregated, survey, tracking, surveillance etc.) and other open-source software with contextual standards and perform complex analytics. Nayeem is also worked as visiting faculty of Bangladesh University of Health Sciences on various subjects related to Health Informatics at Masters level including Standard and interoperability in HIS, Modeling Simulation and Visualization, Enterprise Architecture in HIS.

- € **Md. Nabiullah**, *HIS Specialist*: He is one of the DHIS2 implementer with core development experience including frontend, backend, and interoperability. He is involved with several DHIS2 related projects locally and internationally. In recent years Mr. Nabiullah have worked in DHIS2 web API by developing Middleware for COVID-19 public reporting, web service, API end point to synchronize or data push-pull among in different systems e.g., OpenCRVS, HRIS.

- € **Shekh Md. Nazim Uddin**, *DHIS2 Implementer*: He is one of the DHIS2 implementer and a trainer. He is involved with several DHIS2 related projects locally and internationally almost ten years. He has knowledge about public health and vast knowledge about IT implementation. He is involved with lots of Bangladeshi implementation of HIS sector. Experienced in cancer registry requirement analysis and design in dhis2. Also, he is a focal person of eRegistry implementation in Matlab,

Bangladesh from HISP Bangladesh side. Linkon also act as focal person of dhis2 country implementation in Maldives.

☞ **Md. Mohidul Hassan, DHIS2 Implementer:** Mr. Mohidul is one of the DHIS2 implementer and national level trainer of HISP Bangladesh. He is working at HISP Bangladesh almost five years engaged with several DHIS2 project locally and globally. He is the key trainer of COVID-19 surveillance system, Gender Based Violence (GBV) as well as HIV program. He has vast knowledge on Web Development sector and already developed organizations own website also. He has already completed DHIS2 level-1 and level-2 academy from Bangladesh as well as completed couple of online DHIS2 academy to enrich his knowledge.

Fees and Accommodation

The Academy fees are BDT 45,000/= per person. It includes:

- Participation of DHIS2 Special Country Academy 2022, Bangladesh (without accommodation)
- Lunch and coffee/tea during the Academy
- All course material & conference infrastructure
- A welcome dinner on 23 October 2022

Venue

Six Seasons Hotel, House-19, Road-96, Gulshan-2, Dhaka-1212

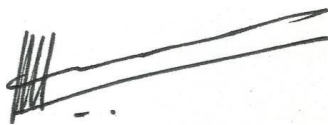
Google map location: <https://goo.gl/maps/3wz4xqZjyio1LQmk7>

Registration

Please apply for the academy here: <https://www.hispbd.org/academy/>

The organizers will evaluate application and get back to you as soon as possible. After receiving confirmation from the organizers, please proceed with the payment of the registration fee. A detailed session plan will be published soon. The participants should have completed online DHIS2 Fundamentals course <https://dhis2.org/academy/fundamentals/>.

On behalf of the organizing committee,



Muhammad Abdul Hannan Khan

Team Leader and Coordinator
HISP Bangladesh



All enquiries to: hannan.khan@hispbd.org