



Minutes of Meeting

MEETING WITH THE TEAM DEPARTMENT OF INFORMATICS, UNIVERSITY OF OSLO (UIO) REGARDING INTEGRATION AND IMPLEMENTATION OF DHIS-2

Meeting was held on Friday, 26th November, 2021 under chair of Dr. Shakeel Ahmad Gondal Director (MIS) at Conference room # 2 of Directorate General Health Services, Punjab. The list of participants is attached.

Proceedings:

Meeting started at Committee Room No.2 of Directorate General Health Services at 10:00 AM with recitation of Holy Quran. Director MIS warmly welcomed the participants and discussed the following agenda items:

Agenda of the meeting:

- Current status of Integrative and Implementing Process of DHIS2 in Punjab
- Modifications in Health Information System Via Implementation of DHIS2
- Briefing about hurdles faced by Technical Team of DHIS-2 and end-user regarding software

Discussion & Decisions:

Director MIS started discussion with the successful implementation of DHIS-2 in 14 districts of Punjab. Thanking to the meeting members he told that the rest of the districts would need a year for the training of DHIS2 and implementation process to be completed. Meanwhile, Mr. Andrey Tulisov, Health Specialist at UNICEF, Mr. Ola Hodne Titlestad Department of Informatics University of Oslo (UiO) and Dr. Pamod M. Amarakoon, HISP Sri Lanka appreciated Director-MIS and the technical team members of DHIS2 for the successful implementation even in COVID-19 situation. As they visited District Okara and conducted a short survey at Health facilities to analyze the recording and reporting of data through DHIS2. They appreciated the efficiency of trained HR, Significant level of infra structure, strategies and added that the HR need more potential capacity development and techniques of data usage within the health facility units. Andrey further explained that the software was basically designed to avoid duplication and other parallel difficulties faced by other systems. DHIS2 team member Mr. Ijaz Haider (CHEMONIC) explained the obstacles that faced by district coordinators and DHIS2 configurators regarding DHIS2 as it was a green field and an efficient software. He requested Mr. Muhammad Ahmad Software Developer (Team member DHIS2) to elaborate the constrains and suggest proposals while cross-questing Mr. Ola Hodne. With this he discussed that these constrains had weakened the performance of the Health Facilities in the reporting the data online

SM

dx



(ANNEX attached). After discussing the queries faced due to the software Mr. Ola said that they would have a technical discussion on these hurdles with the technical team of DHIS2 and the UiO Team would help in removing them. He shared his Global experience that some countries used the same software for COVID-19 surveillance as for the other diseases therefore the versatility of this software undoubted. Furthermore, the Team of UiO suggested that the technical requirements were not just to collect and record data but also to analysis it on upper level, therefore the capacity building was required for the fruitful outcome and to strengthen the DHIS2 system.

Later, the meeting was stopped temporarily for prayer. After interval of Jummah prayer, the Technical session restarted and meeting ended with the vote of thanks.



91 ✓




DIRECTOR HEALTH SERVICES (MIS)
Directorate General Health Services. Punjab,
Lahore
29-11-21 

List of Participants: -

1. Dr. Shakeel Ahmad Gondal, Director MIS O/o DGHS Punjab, Lahore.
2. Dr. Muhammad Mushtaq Hussain Rana, UNICEF joined the meeting virtually.
3. Dr. Saira Khan UNICEF, Lahore
4. Mr. Andrey Tulisov, Health Specialist at UNICEF, Islamabad
5. Mr. Ola Hodne Titlestad Department of Informatics University of Oslo (UiO)
6. Mr. Zubair Asghar Department of Informatics, University of Oslo (UiO)
7. Dr. Pamod M. Amarakoon, HISP Sri Lanka.
8. Mr. Adnan Bashir HISP Islamabad, Pakistan.
9. Dr. Mohsan Wattoo Epidemiologist (MIS-Cell)
10. Mr. Farooq Ahmed CPO (MIS-Cell)
11. Mr. Muhammad Rafique Assistant Statistical Officer, Jinnah Hospital, Lahore
12. Mr. Qaisar Abbas, Senior Statistical Officer, Multan
13. Mr. Ijaz Haider Malik CHEMONIC International
14. Mr. Muhammad Irfan Micro Merger
15. Mr. Muhammad Ahmad Software Developer
16. Mr. Muhammad Azizullah (MIS-Cell)
17. Miss Tooba Altaf (MIS-Cell)
18. Miss Faiza Shahid (MIS-Cell)
19. Miss Mavikha Amjad (MIS-Cell)

Discussions and inputs from UiO team

26th November 2021 Meeting on DHIS2 Lahore

Sr.No	Point Discussed	Comments by UiO Team
01	Problem: Expected Reports showing 32 reports for each HF for a month of 31 days & showing 31 reports for a month of 30 days.	It's a bug as seen by Pamod, UiO team will discuss this point with DHIS development team and will share the details.
02	An option should be available for creating Subtotals in tabular data/ graph against some sub-aggregated data sets.	UiO team presented a way to create sub totals against the required data. Which answers this point.
03	An option should exist to Exclude non-working days like Holidays from extraction of daily reporting percentage and expected reports.	It is a new feature suggestion. UiO team suggested us to explore custom reports (HTML + APIs) and try to create a custom script for a report which excludes those dates from calculation.
04	A new report is suggested which provides us with the insight about the completeness of data. It should display about what percentage of fields have the user left blank and how many are filled. It may be something like this: ((no of data elements filled/no of data elements in the form) *100)	Our team and UiO agreed that saving zero for every field is not a good approach. However Custom reports can be a possible way.
05	New reports are suggested, to view and list down: <ul style="list-style-type: none"> ○ Districts ○ Tehsils ○ UnionCouncils ○ Facilities ○ Facility Types 	UiO Team suggested to create custom reports, and write some scripts to fetch and display information accordingly.
06	Search option for Organization units should exist in reports, same like in data entry, which is a good search feature.	It is a New Suggestion, UiO will discuss with development team and let us know about timeline (if there is possibility to include this in future releases).
7-8	Multiple select feature should be available for Organizational Units at same time in Reports.	It is a New Suggestion, UiO will discuss with development team and let us know about timeline (if there is possibility to include this in future releases).
09	Data Set Reports give error while downloading PDF or XLS (It is a Server Bug. Will be fixed in future releases. Expected time line will be shared.

X

10	In dashboard option should be available to download single graph in different formats i.e. jpg, png, pdf, xls	It is a New Suggestion, UiO will discuss with development team and let us know about timeline (if there is possibility to include this in future releases).
11	There should be some mechanism so that the latest graphs are shown at the top (while adding graph to dashboard) and also the date of creation should also be mentioned so that finding the graph after creation is easier.	It is a New Suggestion and its importance was acknowledged. UiO will discuss with development team and let us know about timeline (if there is possibility to include this in future releases).
12	Dashboard should have a drill-down option to explore data on single click in sub-hierarchy level	UiO team commented that, this is a Challenge in DHIS2 to provide such functionality. However, maps and pivot tables of version 2.37 include some sort of hierarchical traversing to aggregate or dis-aggregate data.
13	An Error message seen in some cases :The Item type not supported	This is a bug. UiO Team will take up with the development team and let us know about possible timelines.
14	User Management: Many steps involved in creating a new Org Unit, and enabling its data entry. Create Org Unit, edit data set and assign org unit to this new org unit, create user and assign this new org unit, assign User Group to user (create new if required), assign user role, share data sets with new user group or user. [[Suggestion: a single screen solution for all this effort will save time.]]	UiO commented that this can't be done because DHIS2 is generic Software, where users and orgunits are kept separate entities. However they Recommended an app: available at github of EysSeeTea, we can see this app, if it addresses the point.
15-16	In Lock Exception: We should be able to create exceptions for a date range instead of single date. Also it should have an auto delete options, i.e. an option to enter the number of days after which we want the exception removed.	It is a New Suggestion, and its usefulness was acknowledged. UiO will discuss with development team and let us know about timeline (if there is possibility to include this in future releases).
17	Automated outlier analysis should be achievable where outliers are detected based on data element history.	UiO team has recommended us an app named WHO data quality tool on app hub. Punjab team will look into it to see if it addresses the point.
18	An Error observed by multiple users: Something went wrong (when some users open data visualizer, system displays the error).	This is a bug, and UiO team has looked into it. We shall be sharing the Server Log file Identified. UiO Team will take up with the development team and let us know about possible timelines.
19	We cannot create a tabular section in	UiO team commented that OrgUnits

α

	Organisation Units, i.e. if we need to add HR Section in Organisation unit, it has no option to do it. We can only make single input fields known as attributes.	cannot create tabular data. They recommended as solution to Create datasets with Annual reporting period .
20	How can we restrict specific sections / input fields to users based on their facility type, while keeping same Data Set, because we don't want to split data sets for every type i.e. BHU is supposed to enter fewer data elements, while DHQ is supposed to enter a longer list, So BHUs display should simply consist of only relevant items.	UiO team suggested to Either create Multiple dataset, but this does not help, as Punjab team does not want to create multiple data sets. Other possible way could be via API check user group and classify, which needs to be further explored.
21	A suggestion: provide some option to add new rows dynamically in data sets. i.e. HR section, user may need to add new designations.	UiO team commented that this is Not Possible because data elements structure does not support this.
22	Load last closing balance, as new opening balance, no default option is available in data sets.	UiO team commented that they will implement the possible solution on our training server , by creating a new data set having 2-3 data elements.

Discussion with Server Admin from HISDU (Hassan)on zoom:

UiO team communicated that, It's been great to see the progress regarding dhis2 in Punjab and they would like to provide trainings relevant to dhis2 server settings so that server admin gets more familiar with the dhis2 environment, also UiO team would like to connect HISDU's System Admin with server experts in Pakistan so that security and maintenance of server is reviewed.

