Turning DHIS2 into a Generic UHC Reporting Platform Using Interoperability Standards

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In the light of the global paradigm of universal health coverage (UHC), the issues around the financing of healthcare services receive new and strong recognition by international partners and national governments. Timely reporting plays a crucial role in successful implementation of UHC strategies. With the support of of the openIMIS Initiative and Digital Square, HISP India is turning DHIS2 into a UHC reporting platform. Using DHIS2 enables us to leverage a mature body of work already running in more than 80 countries, and in many as National HMIS which gives an opportunity to link insurance data with the key HMIS indicators which allows to provide a more holistic picture of the health system for decision taking related to UHC.

The openIMIS Initiative was set up as a joint initiative by the Swiss and the German Development Co-operations to establish a community of users and developers around an open source software for Insurance Management Information Systems (openIMIS) and to provide for a seamless integration into modern digital health system architectures based on several interoperable health information system such as the one proposed by the Open Health Information Exchange (OpenHIE) community.

Based on existing requests from openIMIS implementations in Tanzania and Nepal, HISP India is doing a business analysis of the analytical needs of the countries with respect to the health insurance data captured in openIMIS. This work involves analysis of general indicators, key performance indicators (KPIs) and reports together with all involved partners. Based on the identified key figures and dimensions, data models are being designed and mapped into DHIS2 data structures for use in the existing openIMIS landscapes and as blueprints for upcoming implementations.

The activities are in sync with other ongoing projects that aim at an integration of openIMIS and DHIS2 into the OpenHIE landscape. Focusing on claims management as a first major topic area, the overall system will be integrated with other OpenHIE components such as OpenHIM and adhere to interoperability standards such as HL7-FHIR and ADX.

<u>Keywords</u>: openIMIS, OpenHIE, Universal Health Coverage, Health Financing, Health Insurance, FHIR