



DHIS2 AND COMM CARE INTEGRATION

Healthy Mother, Healthy Baby Activity

To improve the quality of healthcare services, USAID Healthy Mother, Healthy Baby (HMHB) Activity leverages digital and technology-based solutions to assist the Tajikistan Ministry of Health and Social Protection of the Population (MoHSPP) to identify and solve health system challenges.

USAID's HMHB activity harnesses CommCare, an award-winning, open-source mobile data collection and service delivery platform that is being used for service delivery strengthening in over 80 countries. Integrating the widely-used District Health Information Software 2 (DHIS2) platform with CommCare, HMHB enables the MoHSPP to build a digital ecosystem to strengthen the skills of healthcare workers and managers, place healthcare data in the hands of decision makers, and link communities to the healthcare system to increase service use.

With CommCare, HMHB helps health care workers deliver critical interventions at facilities and in the community.

DHIS2's dynamic dashboards allow health workers to track indicator trends with heat maps, charts, and pivot tables. In real time, users add comments and data interpretations within the dashboard to analyze performance or describe what actions they are taking to improve quality. By integrating DHIS2 and CommCare, the MoHSPP can avoid the increased costs and error rates associated with maintaining two disparate data systems.

To ensure data reaches decision makers at the Republican Center for Medical Statistics and Information (RCMSI), HMHB worked with the Republican Agency on Protecting State Secrets to obtain approval and facilitate the installation of a local server at the RCMSI. The CommCare system can then collect data directly into DHIS2 and transfer that data to a server at the RCMSI. HMHB is also working with the RCMSI to ensure they have the capabilities they need to harness this data.

To ensure client data security, CommCare's software and infrastructure reflects robust national and international client and data confidentiality requirements and is compatible with Fast Healthcare Interoperability Resources. CommCare applications have core security features such as password protected access, data encryption and data retention.

Mobile data collection improves the speed and accuracy of data collection and can act as a job aid tool. CommCare enables health care workers to keep track of patients, schedule reminders for visits, and access training and counseling materials. A suite of mobile continuous medical education trainings on maternal, newborn and child health, nutrition, and WASH are under development and will soon be accessible for health workers through the CommCare platform.

USAID's DHIS2-CommCare solution has the potential to build capacity in and beyond the health sector by improving data for decision-making and linking communities to better, more informed care.

