

| HEALTH | | | |
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| NGO Name | Theme | Challenge | Contact |
| UNAIDS | Platform | Digital health solutions - patient record management, data security and storage, usage of patient data for diagnosis prediction software using machine learning. | Velislava Petrova velislavap@unaids.org |
| Médecins Sans Frontières | App | Infection Prevention and Control (IPC) App : In order to minimize that patients and staff are exposed to secondary infections in health facilities, MSF have developed essential requirements for the design of the physical environment based on the pillars of hand hygiene, environmental cleaning and isolation from an infrastructure perspective. In order to optimize and implement this it is critical to have intuitive tools that are continuously improved/developed as it is populated with data. | Maya Shah Maya.shah@geneva.msf.org |
| Médecins Sans Frontières | Data analysis to improve access to health | eCARE is an eDSS that guides frontline workers through clinical protocols, improves diagnostic processes and enable better care. Data generated by the app provides valuable insights on the consultation processes and gaps. Our challenge is how to take best advantage of these data to support our staff and ultimately deliver a better care to patient. | Maya Shah Maya.shah@geneva.msf.org |
| Médecins Sans Frontières | Insulin pen conception | MSF is confronted with the need to provide care to diabetes patients in complex humanitarian settings. Insulin delivery, which is largely done through use of vials of insulin with needle and syringe, is a huge challenge. Pen prices are very high and often prohibits use in low resource settings, while there would be many potential benefits to its use in low resource settings. | Maya Shah Maya.shah@geneva.msf.org |
| Terres des Hommes | Water Sanitation | In refugee camps, data on water supplies (flow rate, chlorine) can be very scanty and irregular, making it difficult to analyse. This hinders data-driven decision-making and early warning on water assets, which can lead to health threats due to shortages or unsafe water. A solution to this problem will enable humanitarians and local populations to improve the availability of clean, safe water. | Sébastien Mercier <i>sebastien.mercier@tdh.ch</i> |
| Terres des Hommes | Water sanitation | Handwashing with soap is an effective barrier to prevent transmission of disease from hands to hands in emergencies, reducing the risk by up to 50%. Our on-going project shows that water recycling has a great potential to enable handwashing in refugee camps in water scarce areas. The challenge is to assure safety of recycled water also in times of epidemics. We need simple & affordable post-disinfection and monitoring strategies for recycled handwashing water. | Sébastien Mercier <i>sebastien.mercier@tdh.ch</i> |
| SolidarMed | Waste Management | Waste Management within health facilities in Mozambique. The entire waste management at health facilities in underserved areas require re-thinking, from waste production, separation, infection control, to recycling/energy production/efficiency, organisation. | Michael A. Hobbins <i>m.hobbins@solidarmed.ch</i> |