mPower: OpenSRP Based Vaccination Android Application

CHALLENGES

- A JHU STUDY FOUND THAT **ONLY 19%** OF THE CHILDREN IN THE STUDY AREA WERE VACCINATED TIMELY
- ACCORDING TO THE FHW, IT TAKES **ABOUT 2.5 HOURS** DAILY TO COMPILE A REPORT MANUALLY

Through our field research, it was discovered that vaccination beneficiaries and frontline health workers (FHW), as well as their supervisors, faced several challenges, namely; poor adherence to services, heavy paperwork and manual registers, no performance monitoring and tracking tool, forgetting timely vaccinations, difficult access to historic data of patients and vaccination records, etc.

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SOLUTION

Based on these challenges, our solution was to develop an integrated digital system that would provide:

Automated SMS service reminders

Access to historic data anytime, anywhere

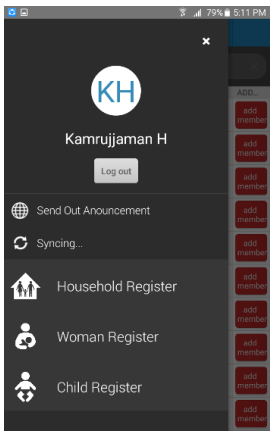
Automated schedule generation

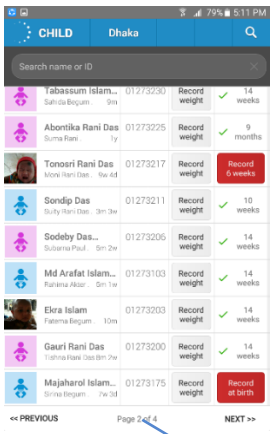
Tablet based registration & Information update on vaccinations

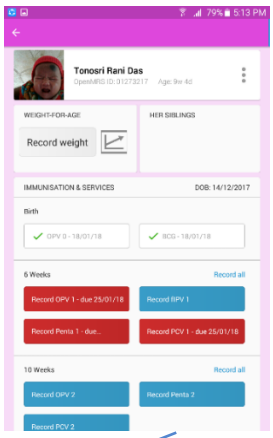
PRODUCT

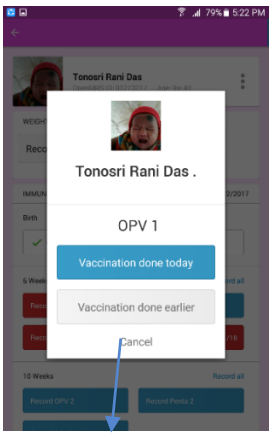
An Android based solution for Tablets used by Frontline Health Workers (FHW)

Open Smart Register Platform (OpenSRP)









Announcement SMS to beneficiaries'
Data sync feature
Access to separate registers

Checking vaccination status by color code: blue for due, red for overdue

Communicating status

IMPLEMENTATION STATUS: 23 FHW Users, 3 FHW Supervisors, 2,700 Children registered, 2,698 Women registered, 22,637 Vaccines registered

OUTCOME: After implementation, delay in vaccination rate was reduced from 9% to 4%, and vaccination coverage increased from 96% to 100%.

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