Opportunities for mHealth in the delivery and uptake of routine immunization services

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The challenge

Increase effectiveness and efficiency of immunization delivery as an integrated part of strengthened health systems.

Reduce demand-side barriers to improve uptake of immunization services.
Burden of paper-based record keeping on health workers
Inability to identify & prioritize children who have missed immunization visits
Burden on parents to maintain vaccination records & remember appointments
Passive counseling on importance of vaccinations

On completion of 6 week/42 days after birth give your child DPT, Hepatitis – B, or pentavalent (DPT, Hep-B, HiB) and the first dose of OPV. Within an interval of 4 weeks or 28 days provide the second and third dose of all these vaccines.
Changes in immunization service schedules
mTika virtual vaccination registry system
Translating constraints into system design

- Burden of data collection and reporting
- Inefficient vaccination records
- Changes in immunization service schedules

Delayed enumeration of pregnant women
Passive counseling on importance of vaccination
Delayed enumeration of newborns

Onus on parents to remember when child is due for vaccinations
Passive counseling on importance of vaccination
Onus on parents to remember appointments

http://tinyurl.com/mtikka-video
Lessons learned

• Identify constraints, then look for opportunities (include technology, where appropriate)

• Focus on the “System” – that includes the provider, the client and the health ecosystem