

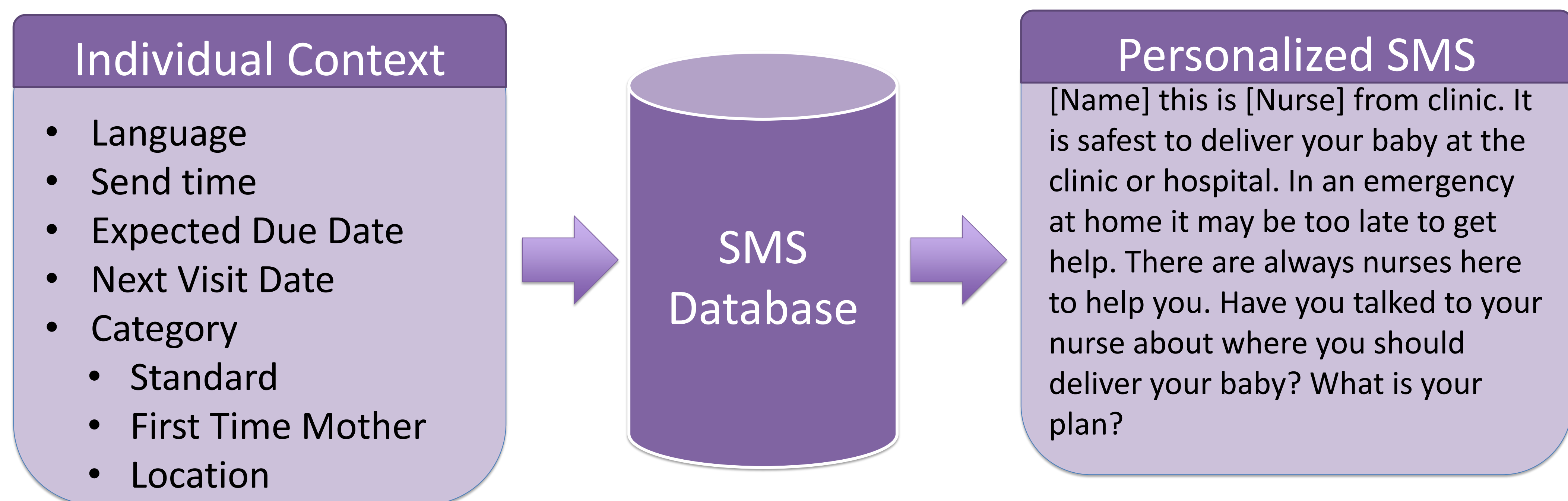
mWaCH: A Semiautomated Bidirectional SMS Platform

Computer Science and Global Health - University Of Washington

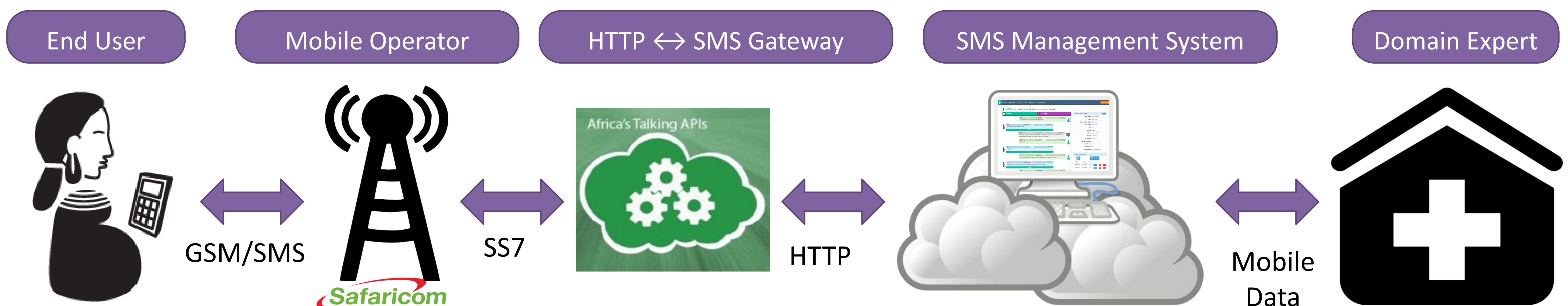
Connecting domain experts to end users with bidirectional SMS by selecting and personalizing weekly messages and enabling responsive manual replies to incoming questions via a web dashboard.

Personalized Two-Way SMS

- Adapt automated messaging based on participants' current status.
- Customize language and preferred send time.
- Add custom variables for message selection.
- Send based on multiple future or past dates.

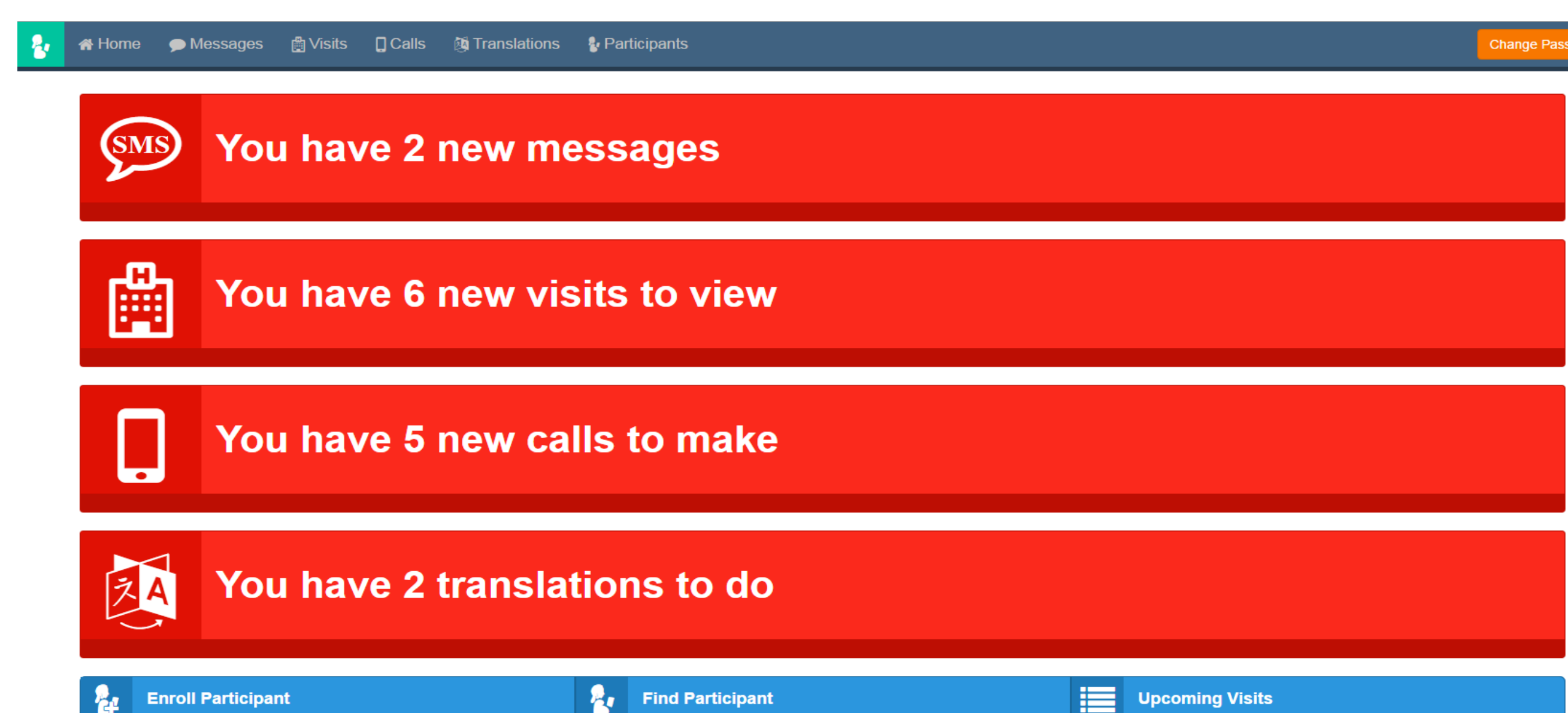


Deployment Architecture

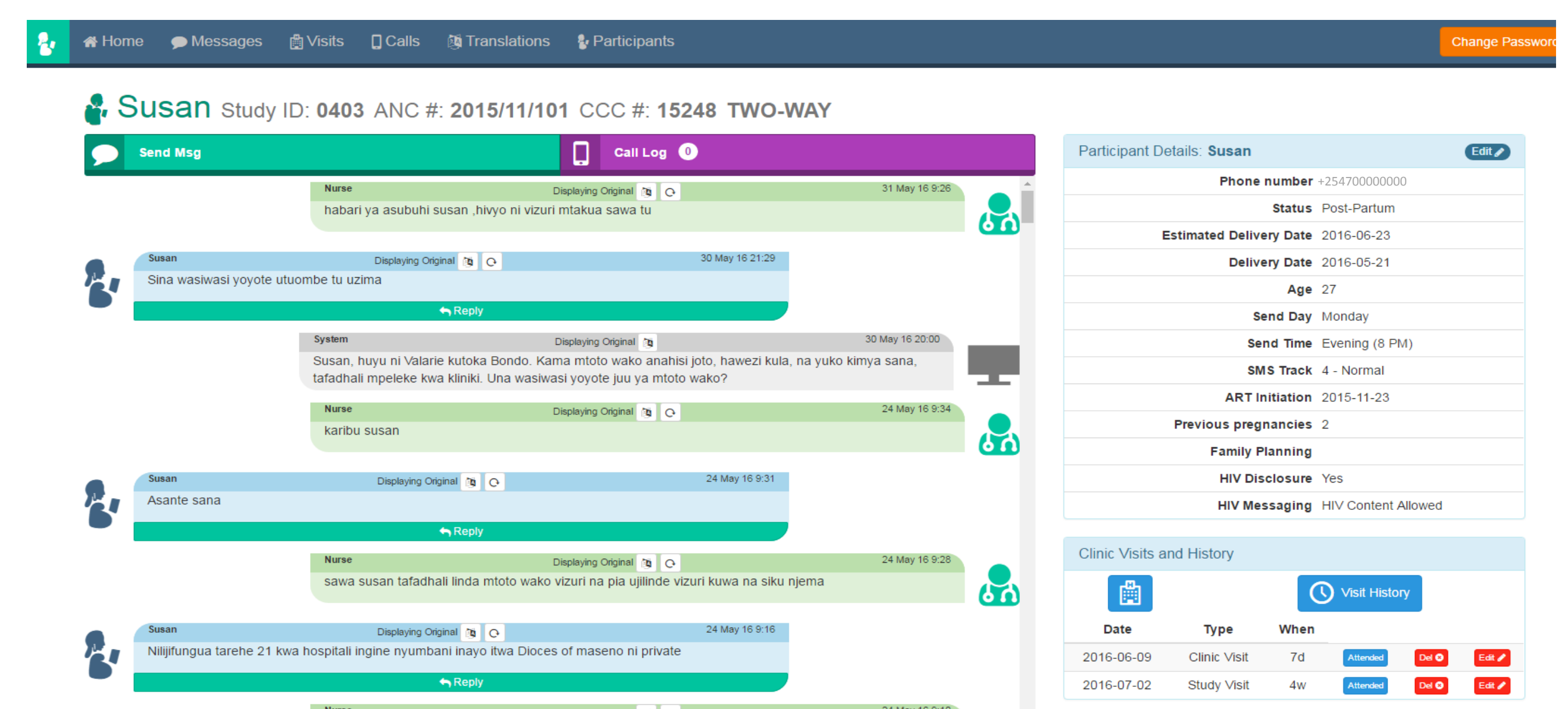


Participants receive automated SMSes from the cloud system and personalized responses from domain experts via a web dashboard. A third party SMS to HTTP gateway connects the system to the mobile network.

Practitioner Dashboard



Home page shows all pending messages and tasks



Participant detail page shows message history and status